Ko-ken®
TOOLS

ENGLISH

ESPAÑOL

Koken TOOL CO., LTD.

2013

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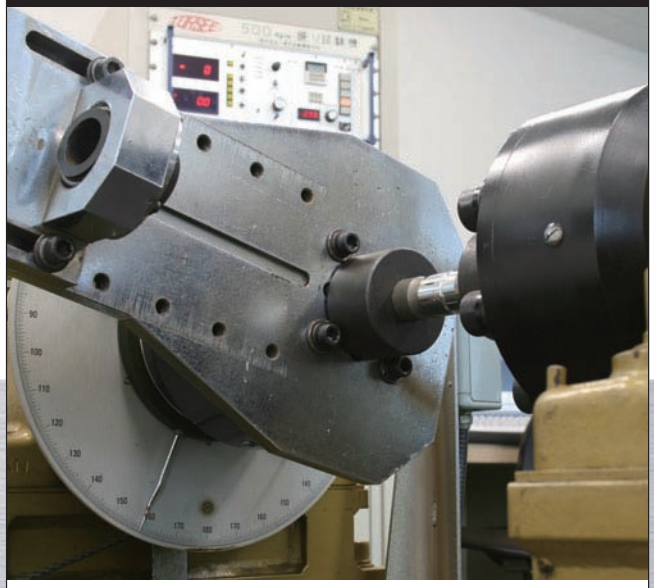
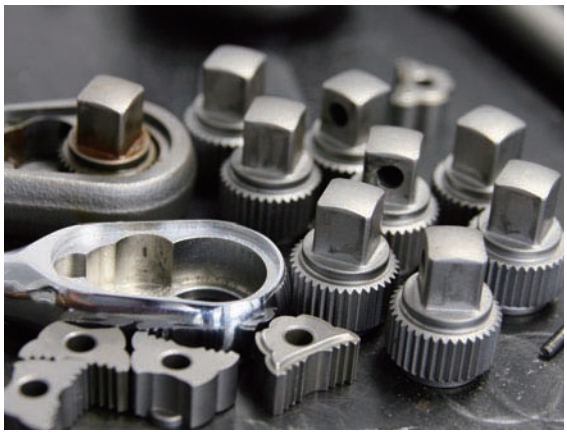
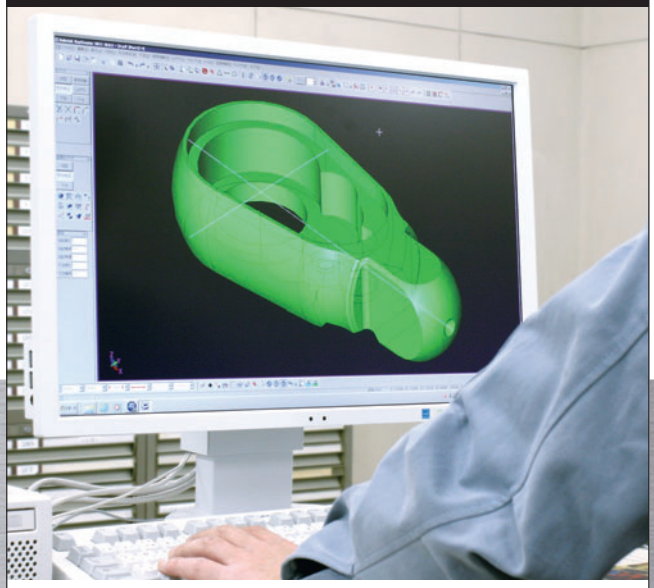
## ■ TEST AND LABORATORY



Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our standard products and assist with new product design and development.



## ■ DESIGN AND DEVELOPMENT



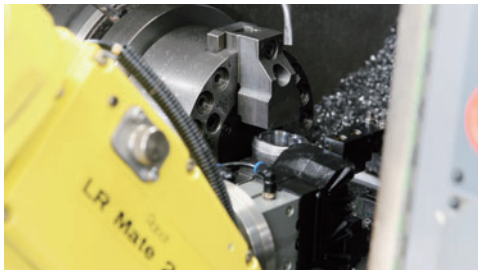
The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.

## ■ FORGING

The Forming machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. However, for small production runs, ordinary forging machines are also used.

## ■ TURNING

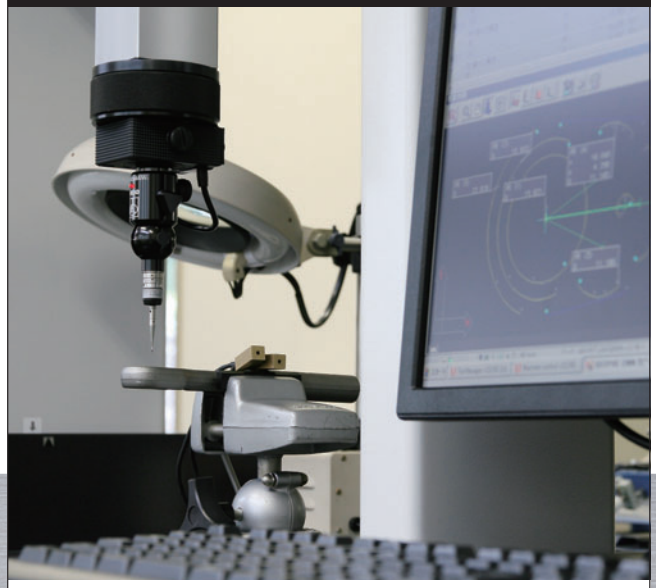
The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.



## ■ HEAT TREATMENT

To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.

## ■ INSPECTION



Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and confirm dimensions.

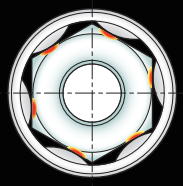
## FLAT DRIVE®

Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.
The Flat contact reduces wear and allows to transmit a higher torque value.
The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

**El diseño de Contacto Plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir un par mayor.**
**El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca hexagonal o bi-hexagonal del vaso.**

# SOCKETS

## SURFACE DRIVE

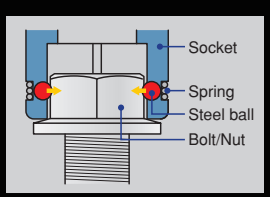


Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear.
These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

**Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca.**
**Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.**

## NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



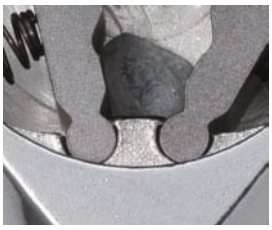

**El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.**

## PATHFINDER®

The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

**Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.**
**Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.**

# RATCHET HANDLE



## S.O.D.H-System®

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly.
The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Los dos trinquetes del cuerpo de la llave de carraca y sus muelles están dispuestos en el cuerpo de la llave de forma que se mantienen firmemente en posición permitiendo un cambio suave de la palanca de inversión y del trinquete.
El par sobre la rueda dentada se transmite verticalmente al trinquete, y al mismo tiempo al mango de la llave de carraca. Este mecanismo bloquea firmemente los dientes mientras se aplica el par, evitando así el deslizamiento de los mismos.

## Two-Step Dog

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Los dientes de la rueda de la llave de carraca se inmovilizan por medio de dos dientes aumentando de esta forma el par máximo de la llave en comparación con el sistema de un paso.

## Three-Step Dog

Two dogs are set in the same axis, and the three teeth hold the ratchet gear.
The enlarged contact area produces about 10% higher torque value and the S.O.D.H-System provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.
El aumento de la superficie de contacto produce un aumento de par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.

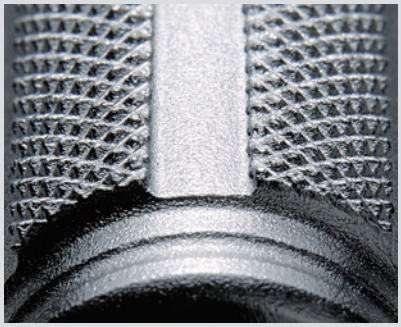
# SHAPE of HANDLE

## OVAL SHAPE SHANK

Unique designed oval shape shank provides extra strength and durability.

El particular diseño de caña de sección Ovalada proporciona más resistencia y duración.

## KNURLING

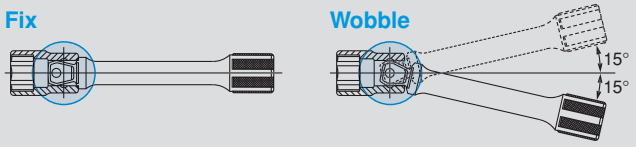


Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.
Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.

## WOBBLE-FIX

One use as a flexible extension bar permitting movement up to 15°angle and the other as a normal extension bar.

Una, como alargadera flexible que permite trabajar con un ángulo de 15°,otra,como alargadera normal.



# STUD BOLT PULLER/SETTER

## STUD BOLT PULLER

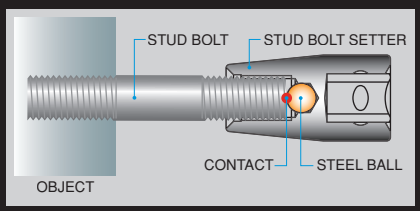
The body design was changed to hexagonal shape to minimize tolerances. This shape is also effective to lessen excessive load on cages and rollers inside the body.

## RATCHET PULLER

Puller for tightening stud bolts. Go-through body allows puller to grip the stud bolt at any position along the stud. Three-roller protects the bolt from damage.

## STUD BOLT SETTER

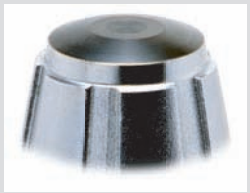
Special socket for installing a stud bolt. The bolt contacts with a steel ball to prevent the bolt from sticking onto the socket. After installing the bolt, turn anti-clockwise to remove the socket.



# ATTACK DRIVER®

## 1 BLACK FINISHED HEAD

The top of Attack Driver is manganese phosphate treated to prevent chrome peeling off the head when it is struck.



## 1 3 HEAT TREATMENT FOR ANTI-CRACK

Special Heat treatment is applied on the parts of Attack Driver. Hardness of Striking head is slightly softer to prevent cracking. The cam part has higher hardness to improve anti-wear.

## 3 SPRING

Strong spring is used to convert the striking power efficiently into twisting power.

## 2 BODY SHAPE

Original body shape allows stronger grip. It makes it easier to convert the striking power into twisting power.

# FREE-TURN GRIP

## SPINNING CROSS WRENCH

The shaft of cross wrench turns freely within the knurled grip. The cross bar is removable for easy storage in a compact space.

## FLEXIBLE SPEEDER

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.

## SPINNING SLIDE T-HANDLE

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.

# IMPACT WHEEL NUT SOCKET

## PLASTIC PROTECTOR

A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken Mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

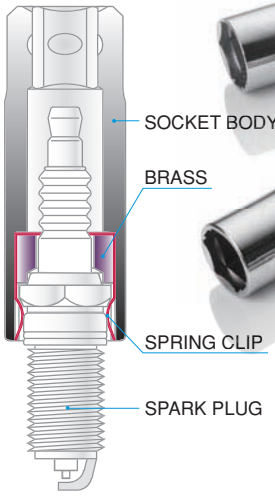
## EXTRA THIN-WALLED

Thin-walled shape and 110mm length gives extra reach for nuts recessed deep inside the wheel.
They are ideal for aluminum wheel nuts where access to nut is very tight. Color coded shafts make size identification easy.

# SPARK PLUG SOCKET

## CLIP TYPE

It is designed to grip a spark plug securely at its hexagonal part by two stainless spring clips.
Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.
The brass guide also eliminates stress loading and possible damage to theceramic insulator.



## License

# TORX®/ TORX plus® & LHSTIX®

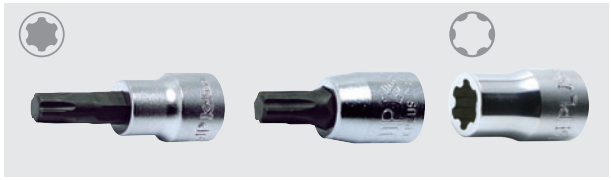
TORX®/ TORX plus® and LHSTIX® are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

TORX®/ TORX plus® y LHSTIX® están reconocidos como los tres sistemas más efectivos de fijación debido a su mayor capacidad de transmitir par, reducir el par final y eliminar completamente el deslizamiento de la herramienta.

### TORX® & TORX plus®

TORX®

TORX plus®



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### LHSTIX®

LHSTIX®

Line Head Straight

**LH-S series**

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## Registered Trademarks

Koken®

工研®

Koken® TOOLS

Ko-ken® CO-KEN®

Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®
山下工研®
S.O.D.H-System®
Flatdrive®
**ATTACK DRIVER®**
HANDY-ENDY®
**PATHFINDER®**
**Nut Grip®**
LOCK NUT BUSTER®
NUT TWISTER®
BOLT TWISTER®

## Aerial Photograph

## Warranty

### WARRANTY

The trade mark Koken is your unqualified warranty against any defect in material or workmanship. Each Koken tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any Koken tool which fails because of defective material or workmanship will be repaired or replaced through your Koken dealer, to the exclusion of any further liability.

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### GARANTIA

La marca Koken es la garantía incondicional contra cualquier defecto de materiales o de fabricación. Todas las herramientas Koken están fabricadas para satisfacer con creces las exigencias del uso previsto y se inspeccionan meticulosamente antes de su expedición. Las herramientas Koken que fallen por defectos de materiales o de fabricación se repararán o reemplazarán a través del distribuidor Koken correspondiente, excluyendo cualquier otra responsabilidad.

## ISO9001

ISO 9001
Management System Certificate

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO.,LTD.
656 NAKANO, KAKEGAWA-CITY, SHIZUOKA, JAPAN

JQA certifies that the above organization operates the Quality Management System, within the scope of the Appendix attached, which has been assessed and found to comply with the requirements of;

ISO 9001 :2008 / JIS Q 9001 :2008

Registration Date : November 6, 1995
Last Renewal Date : January 9, 2013
Expiry Date : January 8, 2016

OSAMU MORIMOTO
PRESIDENT

JAPAN QUALITY ASSURANCE ORGANIZATION
TOKYO, JAPAN

ISO 9001
Appendix

SAFETY ADVISER



## GENERAL / CONSIDERACIONES GENERALES

(a) Make sure you use the right type socket, whose opening fit the nut.
Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.

(b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only.
Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.

(c) When using nut runners or IMPACT Wrenches wear safety goggles.
Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad.

(d) Plastic or rubber handles are not intended to act as insulation.
Los mangos de goma o de plástico no están previstos para aislamiento

(e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket.
No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.

(f) Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.
Los artículos de este catálogo marcados ⚠ se pueden forzar con pares que pueden causar rotura.En interés de su propia seguridad aplicar siempre el par uniforme y progresivamente para evitar la rotura y posibles lesiones.

## SOCKETS / VASOS

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Los vasos que presenten paredes agrietadas, cantos machacados u otros signos de desgaste deben reemplazarse.

## HANDLES / MANGOS

A ratchet is not a hammer
Una llave de carraca no es un martillo.

Never use loose pipes or other improvised attachments on handles for increased leverage.

No utilizar nunca tubos sueltos u otras herramientas improvisadas con los mangos para aumentar el brazo de palanca.

## EXTENSION BARS / ALARGADERAS

The combination of several short extensions instead of one correct sized one is to be avoided.

Debe evitarse combinar varias alargaderas cortas en lugar de una sola alargadera de longitud correcta.

## ADAPTORS / ADAPTADORES

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Los adaptadores se deben utilizar razonablemente. Debe tenerse en cuenta que al utilizar adaptadores "para menor diámetro", mayor mango en un vaso conductor más pequeño, se consiguen pares superiores al necesario. Mantenerse siempre dentro de límites seguros.

# Hand Sockets

1/4”

3/8”

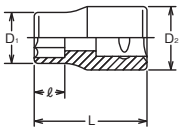
1/2”

3/4”

1”

## 2400M · 2400A

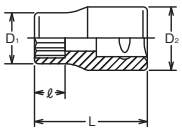
6-point Sockets
Vasos Hexagonales




| 2400M 2405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3** | 5.5 | 11.2 | 2.6 | 22 | 7 | 10 |
| **4** | 6.7 | 11.2 | 3.5 | 22 | 8 | 10 |
| **4.5** | 7.3 | 11.2 | 4 | 22 | 8 | 10 |
| **5** | 8 | 11.2 | 5 | 22 | 8 | 10 |
| **5.5** | 8.5 | 11.2 | 5.5 | 22 | 9 | 10 |
| **6** | 9.2 | 11.2 | 5.5 | 22 | 9 | 10 |
| **7** | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| **8** | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| **9** | 13 | 12 | 7.3 | 22 | 12 | 10 |
| **10** | 14.3 | 12.9 | 7.7 | 22 | 15 | 10 |
| **11** | 15.5 | 14.3 | 9.3 | 22 | 18 | 10 |
| **12** | 16.8 | 15.5 | 9.3 | 22 | 23 | 10 |
| **13** | 18 | 16.4 | 9.8 | 22 | 23 | 10 |
| **14** | 19.3 | 17.9 | 11 | 24 | 30 | 10 |

## 2405M · 2405A

12-point Sockets
Vasos Bihexagonales




| 2400A 2405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/8** | 5.7 | 11.2 | 2.7 | 22 | 7 | 10 |
| **5/32** | 6.7 | 11.2 | 3.5 | 22 | 8 | 10 |
| **3/16** | 7.8 | 11.2 | 5 | 22 | 8 | 10 |
| **7/32** | 8.5 | 11.2 | 5.5 | 22 | 9 | 10 |
| **1/4** | 9.6 | 11.2 | 5.8 | 22 | 9 | 10 |
| **9/32** | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| **5/16** | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| **11/32** | 12.5 | 11.7 | 7.3 | 22 | 12 | 10 |
| **3/8** | 13.7 | 12.5 | 7.7 | 22 | 15 | 10 |
| **7/16** | 15.5 | 14.3 | 9.3 | 22 | 18 | 10 |
| **1/2** | 18 | 16.4 | 9.8 | 22 | 23 | 10 |
| **9/16** | 19.3 | 17.9 | 11 | 24 | 30 | 10 |

## RS2400M/11
## RS2405M/11

Socket Set on Rail
Juego de Vasos en Regleta

| RS2400M/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | | 222 |

| RS2405M/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | | 222 |

## RS2400A/9
## RS2405A/9

Socket Set on Rail
Juego de Vasos en Regleta

| RS2400A/9 | 9 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2** | | 162 |

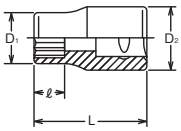
| RS2405A/9 | 9 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2** | | 162 |

## AS2405A

12-point Sockets, AS954
Vasos Bihexagonales

SAE AS954

| AS2405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3/16** | 7.7 | 10.9 | 4.5 | 22 | 8 | 10 |
| **7/32** | 8.5 | 10.9 | 4.9 | 22 | 8 | 10 |
| **1/4** | 9.4 | 10.9 | 5.3 | 22 | 8 | 10 |
| **9/32** | 10.2 | 10.9 | 5.5 | 22 | 8 | 10 |
| **5/16** | 11.3 | 11.7 | 6.4 | 22 | 10 | 10 |
| **11/32** | 12.5 | 12 | 6.8 | 22 | 10 | 10 |
| **3/8** | 13.7 | 12.9 | 6.8 | 22 | 13 | 10 |
| **7/16** | 15.6 | 14.3 | 8.8 | 22 | 17 | 10 |
| **1/2** | 17.2 | 16.4 | 8.9 | 22 | 20 | 10 |
| **9/16** | 18.8 | 17.9 | 9.1 | 24 | 27 | 10 |



Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

## RSAS2405A/10

Socket Set on Rail
Juego de Vasos en Regleta

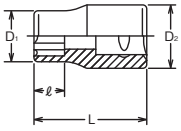
SAE AS954

| RSAS2405A/10 | 10 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16** | | 160 |

## 2410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

| 2410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **4** | 6.7 | 11.2 | 3.5 | 22 | 8 | 10 |
| **4.5** | 7.3 | 11.2 | 4 | 22 | 8 | 10 |
| **5** | 8 | 11.2 | 5 | 22 | 8 | 10 |
| **5.5** | 8.5 | 11.2 | 5.5 | 22 | 9 | 10 |
| **6** | 9.2 | 11.2 | 5.5 | 22 | 9 | 10 |
| **7** | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| **8** | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| **9** | 13 | 12 | 7.3 | 22 | 12 | 10 |
| **10** | 14.3 | 12.9 | 7.7 | 22 | 15 | 10 |
| **11** | 15.5 | 14.3 | 9.3 | 22 | 18 | 10 |
| **12** | 16.8 | 15.5 | 9.3 | 22 | 23 | 10 |
| **13** | 18 | 16.4 | 9.8 | 22 | 23 | 10 |
| **14** | 19.3 | 17.9 | 11 | 24 | 30 | 10 |



## RS2410M/11

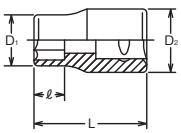
Socket Set on Rail
Juego de Vasos en Regleta

| RS2410M/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | | 222 |

## 2400W-BA

6-point Sockets
Vasos Hexagonales

| 2400W (BA) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 6.1 | 11.2 | 3 | 22 | 7 | 10 |
| **7** | 7.3 | 11.2 | 4 | 22 | 8 | 10 |
| **6** | 8 | 11.2 | 5 | 22 | 8 | 10 |
| **5** | 8.5 | 11.2 | 5.5 | 22 | 9 | 10 |
| **4** | 9.6 | 11.2 | 5.8 | 22 | 9 | 10 |
| **3** | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| **2** | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| **1** | 13 | 12 | 7.3 | 22 | 12 | 10 |
| **0** | 14.9 | 13.6 | 8 | 22 | 16 | 10 |



### BA

| BA | | 8BA | 7BA | 6BA | 5BA | 4BA | 3BA | 2BA | 1BA | 0BA |
|---|---|---|---|---|---|---|---|---|---|---|
| Across Flat | (ref. mm) | 3.86 | 4.37 | 4.90 | 5.59 | 6.30 | 7.16 | 8.23 | 9.27 | 10.49 |
| | (ref. inch) | 0.152 | 0.172 | 0.193 | 0.220 | 0.248 | 0.282 | 0.324 | 0.365 | 0.413 |

## RS2400W/9-BA

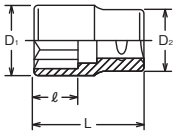
Socket Set on Rail
Juego de Vasos en Regleta

| RS2400W/9-BA | 9 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **8, 7, 6, 5, 4, 3, 2, 1, 0** | | 120 |

# Hand Sockets 1/4”

## 2415M · 2415A

Double Square Sockets
Vasos Octagonales

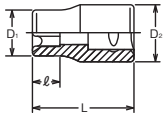



| 2415M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **6** | 11 | 11.7 | 5.4 | 22 | 13 | 10 |
| **8** | 14.3 | 12.9 | 6.8 | 22 | 17 | 10 |
| **10** | 17.4 | 16 | 8.2 | 22 | 27 | 10 |

| 2415A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 11 | 11.7 | 5.4 | 22 | 14 | 10 |
| **5/16** | 14.3 | 12.9 | 6.8 | 22 | 17 | 10 |
| **3/8** | 17.4 | 16 | 8.2 | 22 | 26 | 10 |

## 2425

TORX® Sockets
Vasos TORX®




| 2425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 4** | 5.4 | 11.2 | 4.6 | 22 | 7 | 10 |
| **E 5** | 6.7 | 11.2 | 5.2 | 22 | 8 | 10 |
| **E 6** | 7.7 | 11.2 | 5.4 | 22 | 8 | 10 |
| **E 7** | 8.3 | 11.2 | 6.6 | 22 | 9 | 10 |
| **E 8** | 9.6 | 11.2 | 7 | 22 | 9 | 10 |
| **E10** | 11.3 | 12 | 8.2 | 22 | 10 | 10 |

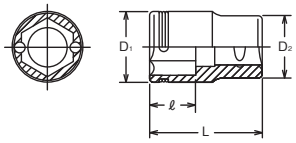
## RS2425/6

Socket Set on Rail
Juego de Vasos en Regleta

| RS2425/6 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| | **E4, E5, E6, E7, E8, E10** | 85 |

## 2450MS

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**




| 2450MS (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7** | 11.3 | 11.2 | 4 | 18 | 8 | 10 |
| **8** | 12.3 | 11.2 | 5 | 18 | 9 | 10 |
| **10** | 14.3 | 12.9 | 6 | 19 | 13 | 10 |
| **12** | 17.4 | 16 | 7 | 20 | 22 | 10 |
| **13** | 18 | 16.4 | 8 | 20 | 22 | 10 |
| **14** | 19.9 | 18 | 8.5 | 22 | 31 | 10 |

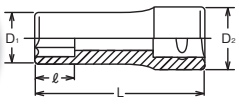
## RS2450MS/6

Socket Set on Rail
Juego de Vasos en Regleta

| RS2450MS/6 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| | **7, 8, 10, 12, 13, 14** | 120 |

## 2300X

6-point Sockets, Semi-Deep
Vasos Hexagonales, Medianos




| 2300X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **4** | 6.7 | 11.2 | 4 | 32 | 10 | 10 |
| **5** | 8 | 11.2 | 5.5 | 32 | 11 | 10 |
| **6** | 9.2 | 11.2 | 7 | 32 | 12 | 10 |
| **7** | 10.3 | 11.2 | 8 | 32 | 13 | 10 |
| **8** | 11.2 | 11.7 | 9 | 32 | 16 | 10 |
| **9** | 13 | 12 | 10 | 32 | 18 | 10 |
| **10** | 14.3 | 12.9 | 11 | 32 | 23 | 10 |
| **11** | 15.5 | 14.3 | 12 | 32 | 27 | 10 |
| **12** | 16.8 | 15.5 | 13 | 32 | 29 | 10 |
| **13** | 18 | 16.4 | 14 | 32 | 32 | 10 |
| **14** | 19.3 | 17.9 | 16 | 32 | 37 | 10 |

## RS2300X/11

Socket Set on Rail
Juego de Vasos en Regleta

| RS2300X/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | 300 |



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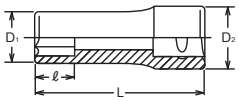
TORX® es una marca registrada de **Acument Intellectual Properties, LLC.**

## 2300M · 2300A

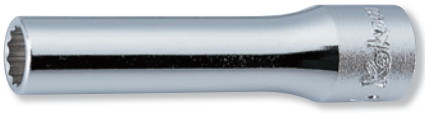
6-point Deep Sockets
Vasos Hexagonales Largos

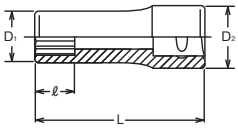



| 2300M 2305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3** | 5.5 | 11.2 | 3 | 50 | 15 | 10 |
| **4** | 6.7 | 11.2 | 4 | 50 | 15 | 10 |
| **4.5** | 7.3 | 11.2 | 4.5 | 50 | 15 | 10 |
| **5** | 8 | 11.2 | 5.5 | 50 | 17 | 10 |
| **5.5** | 8.5 | 11.2 | 6 | 50 | 17 | 10 |
| **6** | 9.2 | 11.2 | 7 | 50 | 20 | 10 |
| **7** | 10.3 | 11.2 | 8 | 50 | 25 | 10 |
| **8** | 11.2 | 11.7 | 9 | 50 | 25 | 10 |
| **9** | 13 | 12 | 10 | 50 | 30 | 10 |
| **10** | 14.3 | 12.9 | 11 | 50 | 34 | 10 |
| **11** | 15.5 | 14.3 | 12 | 50 | 43 | 10 |
| **12** | 16.8 | 15.5 | 13 | 50 | 50 | 10 |
| **13** | 18 | 16.4 | 14 | 50 | 52 | 10 |
| **14** | 19.3 | 17.9 | 16 | 50 | 57 | 10 |

## 2305M · 2305A

12-point Deep Sockets
Vasos Bihexagonales Largos






| 2300A 2305A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/8** | 5.7 | 11.2 | 3.5 | 50 | 15 | 10 |
| **5/32** | 6.7 | 11.2 | 4 | 50 | 15 | 10 |
| **3/16** | 7.8 | 11.2 | 5.5 | 50 | 17 | 10 |
| **7/32** | 8.5 | 11.2 | 6 | 50 | 17 | 10 |
| **1/4** | 9.6 | 11.2 | 7 | 50 | 25 | 10 |
| **9/32** | 10.3 | 11.2 | 8 | 50 | 25 | 10 |
| **5/16** | 11.2 | 11.7 | 9 | 50 | 25 | 10 |
| **11/32** | 12.5 | 11.7 | 10 | 50 | 30 | 10 |
| **3/8** | 13.7 | 12.5 | 11 | 50 | 34 | 10 |
| **7/16** | 15.5 | 14.3 | 12 | 50 | 43 | 10 |
| **1/2** | 18 | 16.4 | 14 | 50 | 52 | 10 |
| **9/16** | 19.3 | 17.9 | 16 | 50 | 57 | 10 |

## RS2300M/11
## RS2305M/11

Socket Set on Rail
Juego de Vasos en Regleta

| RS2300M/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | | 437 |

| RS2305M/11 | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14** | | 437 |

## RS2300A/9
## RS2305A/9

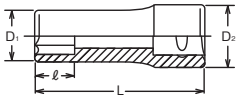
Socket Set on Rail
Juego de Vasos en Regleta

| RS2300A/9 | 9 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2** | | 296 |

| RS2305A/9 | 9 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2** | | 296 |

## 2300W-BA

6-point Deep Sockets
Vasos Hexagonales Largos




| 2300W (BA) | D1 (mm) | D2 (mm) | l (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **4** | 9.8 | 12 | 7 | 50 | 25 | 10 |
| **3** | 10.9 | 12 | 8 | 50 | 25 | 10 |
| **2** | 11.6 | 12 | 9 | 50 | 25 | 10 |
| **1** | 13 | 12 | 10 | 50 | 30 | 10 |
| **0** | 15.1 | 13.5 | 12 | 50 | 38 | 10 |

**BA**

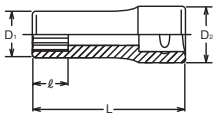
| BA | | 8BA | 7BA | 6BA | 5BA | 4BA | 3BA | 2BA | 1BA | 0BA |
|---|---|---|---|---|---|---|---|---|---|---|
| Across Flat | (ref. mm) | 3.86 | 4.37 | 4.90 | 5.59 | 6.30 | 7.16 | 8.23 | 9.27 | 10.49 |
| | (ref. inch) | 0.152 | 0.172 | 0.193 | 0.220 | 0.248 | 0.282 | 0.324 | 0.365 | 0.413 |

# Hand Sockets 1/4”

## AS2305A

12-point Deep Sockets, AS954
Vasos Bihexagonales Largos, AS954

SAE AS954




| AS2305A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3/16 | 7.7 | 10.9 | 4.5 | 50 | 17 | 10 |
| 7/32 | 8.5 | 10.9 | 4.9 | 50 | 17 | 10 |
| 1/4 | 9.4 | 10.9 | 5.3 | 50 | 19 | 10 |
| 9/32 | 10.2 | 10.9 | 5.5 | 50 | 18 | 10 |
| 5/16 | 11.3 | 11.7 | 6.4 | 50 | 23 | 10 |
| 11/32 | 12.5 | 12 | 6.8 | 50 | 24 | 10 |
| 3/8 | 13.7 | 12.8 | 6.8 | 50 | 31 | 10 |
| 7/16 | 15.6 | 14.2 | 8.8 | 50 | 38 | 10 |
| 1/2 | 17.2 | 16.2 | 8.9 | 50 | 42 | 10 |
| 9/16 | 18.8 | 17.1 | 9.1 | 50 | 47 | 10 |

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

## RSAS2305A/10

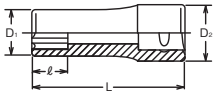
Socket Set on Rail
Juego de Vasos en Regleta

SAE AS954

| RSAS2305A/10 | 10 Pieces set/Rail 150mm | (g) |
|---|---|---|
| 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 | | 307 |

## 2310M

Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos




| 2310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3 | 5.5 | 11.2 | 3 | 50 | 15 | 10 |
| 4 | 6.7 | 11.2 | 4 | 50 | 15 | 10 |
| 4.5 | 7.3 | 11.2 | 4.5 | 50 | 15 | 10 |
| 5 | 8 | 11.2 | 5.5 | 50 | 17 | 10 |
| 5.5 | 8.5 | 11.2 | 6 | 50 | 17 | 10 |
| 6 | 9.2 | 11.2 | 7 | 50 | 20 | 10 |
| 7 | 10.3 | 11.2 | 8 | 50 | 25 | 10 |
| 8 | 11.2 | 11.7 | 9 | 50 | 25 | 10 |
| 9 | 13 | 12 | 10 | 50 | 30 | 10 |
| 10 | 14.3 | 12.9 | 11 | 50 | 34 | 10 |
| 11 | 15.5 | 14.3 | 12 | 50 | 43 | 10 |
| 12 | 16.8 | 15.5 | 13 | 50 | 50 | 10 |
| 13 | 18 | 16.4 | 14 | 50 | 52 | 10 |
| 14 | 19.3 | 17.9 | 16 | 50 | 57 | 10 |

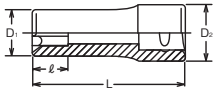
## RS2310M/11

Socket Set on Rail
Juego de Vasos en Regleta

| RS2310M/11 | 11 Pieces set/Rail 200mm | (g) |
|---|---|---|
| 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 | | 437 |

## 2325

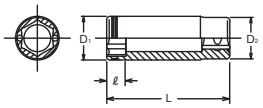
TORX® Deep Sockets
Vasos TORX® Largos




| 2325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| E 4 | 5.4 | 12 | 4.6 | 50 | 17 | 10 |
| E 5 | 6.8 | 12 | 5.2 | 50 | 20 | 10 |
| E 6 | 8 | 12 | 5.4 | 50 | 20 | 10 |
| E 7 | 8.3 | 12 | 6.6 | 50 | 22 | 10 |
| E 8 | 9.8 | 12 | 7 | 50 | 25 | 10 |
| E10 | 11.6 | 12 | 8.2 | 50 | 29 | 10 |

## 2350M

Nut Grip Deep Sockets **Nut Grip®**
Vasos Sujeta-tuercas Largos **Nut Grip®**




| 2350M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 8 | 12.3 | 11.2 | 5 | 50 | 30 | 10 |
| 10 | 14.2 | 12.9 | 6 | 50 | 35 | 10 |
| 12 | 17.3 | 16 | 7 | 50 | 55 | 10 |
| 14 | 19.9 | 18 | 8.5 | 50 | 70 | 10 |



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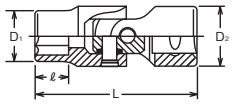
## 2440M · 2440A

6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



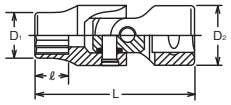
| 2440M 2445M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **4** | 6.7 | 13 | 4.8 | 31.5 | 17 | 10 |
| **5** | 8 | 13 | 5.3 | 32 | 17 | 10 |
| **6** | 9.2 | 13 | 6.1 | 33 | 18 | 10 |
| **7** | 10.5 | 13 | 6.5 | 33 | 19 | 10 |
| **8** | 11.7 | 13 | 7 | 34 | 19 | 10 |
| **9** | 13 | 13 | 7 | 34 | 20 | 10 |
| **10** | 14.2 | 13 | 8.3 | 35 | 20 | 10 |
| **11** | 15.5 | 13 | 9.5 | 36 | 21 | 10 |
| **12** | 16.7 | 13 | 10 | 37 | 21 | 10 |
| **13** | 18 | 13 | 10.5 | 37 | 26 | 10 |
| **14** | 19.2 | 13 | 10.5 | 37 | 28 | 10 |

| 2440A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 9.8 | 13 | 6.5 | 33 | 18 | 10 |
| **5/16** | 11.7 | 13 | 7 | 34 | 19 | 10 |
| **3/8** | 13.7 | 13 | 8.3 | 35 | 20 | 10 |
| **7/16** | 15.5 | 13 | 9.5 | 36 | 21 | 10 |
| **1/2** | 18 | 13 | 10.5 | 37 | 26 | 10 |
| **9/16** | 19.2 | 13 | 10.5 | 37 | 28 | 10 |

| 2445A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3/16** | 8.8 | 13 | 5.3 | 32 | 18 | 10 |
| **1/4** | 9.8 | 13 | 6.5 | 33 | 18 | 10 |
| **9/32** | 10.5 | 13 | 6.5 | 33 | 19 | 10 |
| **5/16** | 11.7 | 13 | 7.5 | 34 | 19 | 10 |
| **11/32** | 13.8 | 13 | 7.5 | 34 | 20 | 10 |
| **3/8** | 13.7 | 13 | 8.3 | 35 | 20 | 10 |
| **7/16** | 15.5 | 13 | 9.5 | 36 | 21 | 10 |
| **1/2** | 18.8 | 13 | 10.5 | 37 | 26 | 10 |
| **9/16** | 19.2 | 13 | 10.5 | 37 | 28 | 10 |

## 2445M · 2445A

12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal



## RS2445A/9

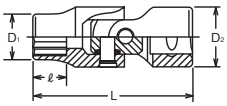
Socket Set on Rail
Juego de Vasos en Regleta

| RS2445A/9 — 9 Pieces set/Rail 150mm | (g) |
|---|---|
| **3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16** | 220 |

## AS2445A

12-point Universal Sockets, AS954
Vasos Bihex con Articulación Universal, AS954

SAE AS954

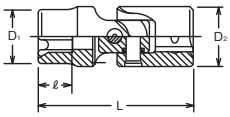


| AS2445A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 9.6 | 12.9 | 5.7 | 31.8 | 18 | 10 |
| **5/16** | 11.7 | 12.9 | 7 | 34.6 | 21 | 10 |
| **3/8** | 13.5 | 12.9 | 8.3 | 35.1 | 21 | 10 |
| **7/16** | 15.5 | 12.9 | 9.5 | 39.1 | 25 | 10 |
| **1/2** | 17.2 | 12.9 | 10.5 | 40.1 | 27 | 10 |

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

## 2440T

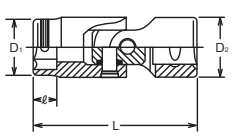
TORX® Universal Sockets
Vasos TORX® con Aritculación Universal

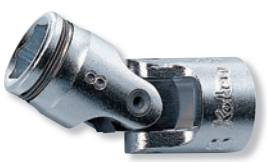


| 2440T (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 6** | 8 | 13 | 5.4 | 31.9 | 20 | 10 |
| **E 8** | 9.8 | 13 | 7 | 33.1 | 20 | 10 |
| **E10** | 11.7 | 13 | 8.2 | 33.6 | 21 | 10 |
| **E12** | 14.2 | 13 | 9.3 | 35.1 | 24 | 10 |

## 2441M

Nut Grip Universal Sockets **Nut Grip®**
Vasos Sujeta-Tuercas con Articulación Universal



| 2441M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7** | 11.3 | 13 | 4 | 33 | 19 | 10 |
| **8** | 12.3 | 13 | 5 | 32 | 19 | 10 |
| **10** | 14.5 | 13 | 6 | 32.5 | 21 | 10 |
| **12** | 16.8 | 13 | 7 | 34 | 21 | 10 |
| **13** | 18 | 13 | 8 | 35 | 21 | 10 |
| **14** | 20 | 13 | 8.5 | 37 | 28 | 10 |



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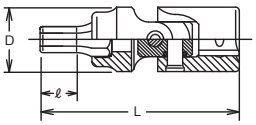
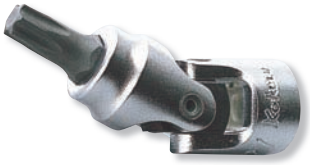
# Hand Sockets 1/4”

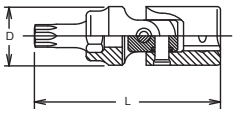
## 2430M
Universal Inhex Sockets
Vasos Hexagonales con Articulación Universal




| 2430M (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3** | 13 | 5.5 | 40 | 18 | 10 |
| **4** | 13 | 5.5 | 40 | 18 | 10 |
| **5** | 13 | 6.5 | 40 | 20 | 10 |
| **6** | 13 | 7.5 | 40 | 21 | 10 |

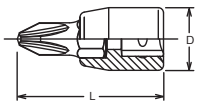
## 2430T
TORX® Universal Sockets
Vasos TORX® con Articulación Universal





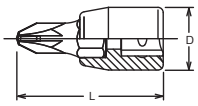

| 2430T (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T 8** | 13 | 42 | 22 | 10 |
| **T 9** | 13 | 42 | 22 | 10 |
| **T10** | 13 | 42 | 22 | 10 |
| **T15** | 13 | 42 | 22 | 10 |
| **T20** | 13 | 42 | 22 | 10 |
| **T25** | 13 | 42 | 22 | 10 |
| **T27** | 13 | 42 | 22 | 10 |
| **T30** | 13 | 42 | 22 | 10 |

## 2000-28 (PH)
Phillips Bit Sockets
Vasos con Punta Phillips



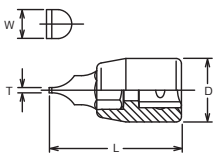

| 2000.28 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 12 | 28 | 10 | 10 |
| **2** | 12 | 28 | 11 | 10 |
| **3** | 12 | 28 | 12 | 10 |
| **4** | 13.1 | 28 | 14 | 10 |

## 2000-28 (PZ)
PZ Bit Sockets
Vasos con Punta PZ




| 2000.28 (PZ) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **PZ1** | 12 | 28 | 10 | 10 |
| **PZ2** | 12 | 28 | 11 | 10 |
| **PZ3** | 12 | 28 | 12 | 10 |

## 2005-25
Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada




| 2005.25 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3** | 0.5× 3 | 12 | 25 | 9 | 10 |
| **4** | 0.8× 4 | 12 | 25 | 10 | 10 |
| **5** | 1.0× 5.5 | 12 | 25 | 10 | 10 |
| **6** | 1.2× 6.5 | 13.1 | 25 | 11 | 10 |
| **8** | 1.2× 8 | 13.1 | 25 | 12 | 10 |
| **9** | 1.6× 8 | 13.1 | 25 | 12 | 10 |
| **10** | 1.6×10 | 14.3 | 25 | 13 | 10 |



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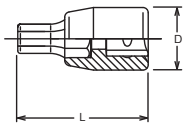
## 2010M-25 · -100
## 2010A-25

Inhex Bit Sockets
Vasos con Punta Hexagonal



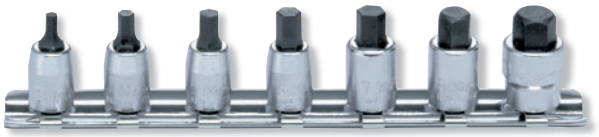
| 2010M.25 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New 1.5 | 12 | 25 | 9 | 10 |
| New 2 | 12 | 25 | 9 | 10 |
| 2.5 | 12 | 25 | 9 | 10 |
| 3 | 12 | 25 | 9 | 10 |
| 4 | 12 | 25 | 9 | 10 |
| 5 | 12 | 25 | 10 | 10 |
| 6 | 12 | 25 | 12 | 10 |
| 7 | 13.1 | 25 | 12 | 10 |
| 8 | 13.1 | 25 | 14 | 10 |
| 10 | 14.3 | 25 | 17 | 10 |

| 2010M.100 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New 2 | 12 | 100 | 30 | 10 |
| 2.5 | 12 | 100 | 30 | 10 |
| 3 | 12 | 100 | 30 | 10 |
| 4 | 12 | 100 | 30 | 10 |
| 5 | 12 | 100 | 30 | 10 |
| 6 | 12 | 100 | 35 | 10 |
| 7 | 13.1 | 100 | 35 | 10 |
| 8 | 13.1 | 100 | 38 | 10 |
| 10 | 14.3 | 100 | 45 | 10 |

| 2010A.25 (inch) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1/8 | 12 | 25 | 9 | 10 |
| 5/32 | 12 | 25 | 9 | 10 |
| 3/16 | 12 | 25 | 10 | 10 |
| 7/32 | 12 | 25 | 11 | 10 |
| 1/4 | 12 | 25 | 12 | 10 |
| 9/32 | 13.1 | 25 | 12 | 10 |
| 5/16 | 13.1 | 25 | 14 | 10 |
| 3/8 | 14.3 | 25 | 17 | 10 |

## RS2010M/7-L25
## RS2010A/8-L25

Socket Set on Rail
Juego de Vasos en Regleta

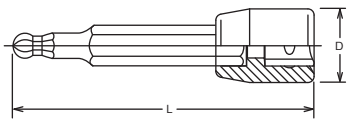


| RS2010M/7-L25 — 7 Pieces set/Rail 150mm | (g) |
|---|---|
| 3, 4, 5, 6, 7, 8, 10 | 115 |

| RS2010A/8-L25 — 8 Pieces set/Rail 150mm | (g) |
|---|---|
| 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8 | 130 |

## 2011M-50

Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex




| 2011M.50 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 12 | 50 | 16 | 10 |
| 4 | 12 | 50 | 17 | 10 |
| 5 | 12 | 50 | 18 | 10 |
| 6 | 12 | 50 | 18 | 10 |

Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

# Hand Sockets 1/4”

## 2020-28 • -50

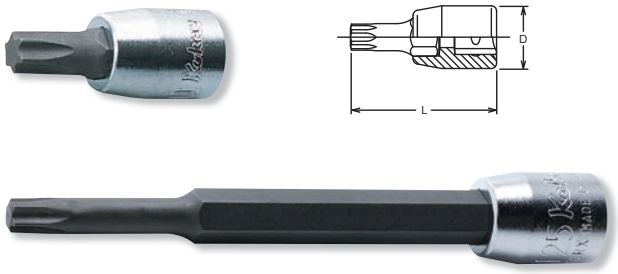
XZN Bit Sockets
Vasos con Punta XZN

| 2020.28 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M4** | 12 | 28 | 12 | 10 |
| **M5** | 12 | 28 | 12 | 10 |
| **M6** | 12 | 28 | 13 | 10 |
| **M8** | 13.1 | 28 | 14 | 10 |

| 2020.50 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M4** | 12 | 50 | 20 | 10 |
| **M5** | 12 | 50 | 20 | 10 |
| **M6** | 12 | 50 | 22 | 10 |
| **M8** | 13.1 | 50 | 24 | 10 |

## 2025-28 • -80 (T)

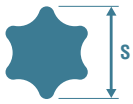
TORX® Bit Sockets
Vasos con Punta TORX®




| 2025.28 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New **T 8** | 12 | 28 | 10 | 10 |
| New **T 9** | 12 | 28 | 10 | 10 |
| **T10** | 12 | 28 | 10 | 10 |
| **T15** | 12 | 28 | 10 | 10 |
| **T20** | 12 | 28 | 11 | 10 |
| **T25** | 12 | 28 | 11 | 10 |
| **T27** | 12 | 28 | 12 | 10 |
| **T30** | 12 | 28 | 12 | 10 |
| **T40** | 12 | 28 | 13 | 10 |

| 2025.80 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10** | 12 | 80 | 40 | 10 |
| **T15** | 12 | 80 | 40 | 10 |
| **T20** | 12 | 80 | 42 | 10 |
| **T25** | 12 | 80 | 42 | 10 |
| **T27** | 12 | 80 | 45 | 10 |
| **T30** | 12 | 80 | 45 | 10 |
| **T40** | 12 | 80 | 50 | 10 |

TORX® (T)




| T | | T8 | T9 | T10 | T15 | T20 | T25 | T27 | T30 | T40 | T45 | T50 | T55 | T60 | T70 | T80 | T90 | T100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.30 | 2.48 | 2.72 | 3.26 | 3.84 | 4.40 | 4.96 | 5.49 | 6.60 | 7.77 | 8.79 | 11.17 | 13.20 | 15.49 | 17.51 | 19.88 | 22.09 |

## RS2025/7-L28

Socket Set on Rail
Juego de Vasos en Regleta

| RS2025/7-L28 | 7 Pieces set/Rail 150mm | (g) |
|---|---|---|
| **T10, T15, T20, T25, T27, T30, T40** | | 119 |

## 2025-28 (TH)

Tamper-Resistant TORX® Bit Sockets
Vasos con Punta TORX® Indeformable

| 2025.28 (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10H** | 12 | 28 | 10 | 10 |
| **T15H** | 12 | 28 | 10 | 10 |
| **T20H** | 12 | 28 | 11 | 10 |
| **T25H** | 12 | 28 | 11 | 10 |
| **T27H** | 12 | 28 | 12 | 10 |
| **T30H** | 12 | 28 | 12 | 10 |
| **T40H** | 12 | 28 | 13 | 10 |

## RS2025/7-HOLE

Socket Set on Rail
Juego de Vasos en Regleta

| RS2025/7-HOLE | 7 Pieces set/Rail 150mm | (g) |
|---|---|---|
| **T10H, T15H, T20H, T25H, T27H, T30H, T40H** | | 119 |

Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.

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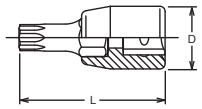
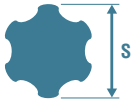
## 2025-28 (IP)

TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®

| 2025.28 (IP) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **8IP** | 12 | 28 | 10 | 10 |
| **9IP** | 12 | 28 | 10 | 10 |
| **10IP** | 12 | 28 | 10 | 10 |
| **15IP** | 12 | 28 | 10 | 10 |
| **20IP** | 12 | 28 | 11 | 10 |
| **25IP** | 12 | 28 | 11 | 10 |
| **27IP** | 12 | 28 | 12 | 10 |
| **30IP** | 12 | 28 | 12 | 10 |
| **40IP** | 12 | 28 | 13 | 10 |



### TORXplus® (IP)

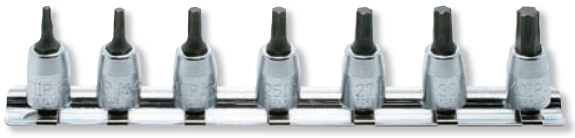



| IP | | 8IP | 9IP | 10IP | 15IP | 20IP | 25IP | 27IP | 30IP | 40IP | 45IP | 50IP | 55IP | 60IP | 70IP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.29 | 2.48 | 2.72 | 3.25 | 3.84 | 4.39 | 4.95 | 5.49 | 6.60 | 7.77 | 8.79 | 11.16 | 13.20 | 15.49 |

## RS2025/7-IP

Socket Set on Rail
Juego de Vasos en Regleta

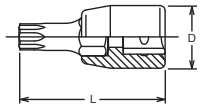
| RS2025/7-IP | 7 Pieces set/Rail 150mm | (g) |
|---|---|---|
| **10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP** | | 119 |



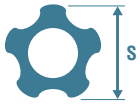
## 2025-28 (PR)

Penta-Lobe Bit Sockets, with hole
Vasos con Punta de Cinco Lóbulos, con agujero

| 2025.28 (PR) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **8PR** | 12 | 28 | 10 | 10 |
| **9PR** | 12 | 28 | 10 | 10 |
| **10PR** | 12 | 28 | 10 | 10 |
| **15PR** | 12 | 28 | 10 | 10 |
| **20PR** | 12 | 28 | 11 | 10 |
| **25PR** | 12 | 28 | 11 | 10 |
| **27PR** | 12 | 28 | 12 | 10 |
| **30PR** | 12 | 28 | 12 | 10 |
| **40PR** | 12 | 28 | 13 | 10 |



### Penta-Lobe (PR)




| PR | | 8PR | 9PR | 10PR | 15PR | 20PR | 25PR | 27PR | 30PR | 40PR | 45PR | 50PR | 55PR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.19 | 2.36 | 2.58 | 3.10 | 3.64 | 4.12 | 4.71 | 5.23 | 6.30 | 7.38 | 8.35 | 10.63 |

## RS2025/7-PR

Socket Set on Rail
Juego de Vasos en Regleta

| RS2025/7-PR | 7 Pieces set/Rail 150mm | (g) |
|---|---|---|
| **10PR, 15PR, 20PR, 25PR, 27PR, 30PR, 40PR** | | 119 |

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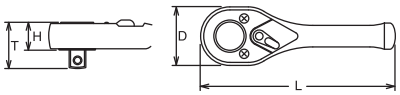
## 2753PS
Reversible Ratchet Short
Llave de Carraca Reversible Corta




S.O.D.H.-System · 2 Two-Step Dog · 20

* Renewal Kits → 2753RK ➔P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2753PS | 22 | 18.7 | 11.4 | 75 | 55 | 5 |

## 2753N
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System · 2 Two-Step Dog · 20

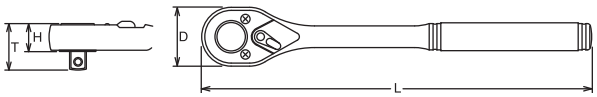
* Renewal Kits → 2753RK ➔P276

## 2753P
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System · 2 Two-Step Dog · 20

* Renewal Kits → 2753RK ➔P276

## 2753J
Reversible Ratchet
Llave de Carraca Reversible

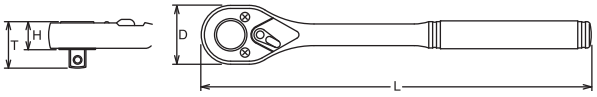



S.O.D.H.-System · 2 Two-Step Dog · 20

* Renewal Kits → 2753RK ➔P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2753N | 22 | 18.7 | 11.4 | 115 | 90 | 10 |
| 2753P | 22 | 18.7 | 11.4 | 115 | 87 | 10 |
| 2753J | 22 | 18.7 | 11.4 | 115 | 77 | 5 |

## 2753P-160
Reversible Ratchet Long
Llave de Carraca Reversible Larga




S.O.D.H.-System · 2 Two-Step Dog · 20

* Renewal Kits → 2753RK ➔P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2753P-160 | 22 | 18.7 | 11.4 | 160 | 107 | 5 |

## 2753NB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

* Renewal Kits → 2753BRK ➡P276

## 2753PB

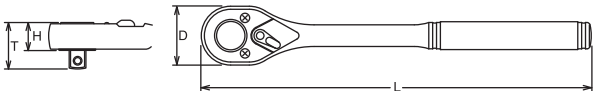
Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

* Renewal Kits → 2753BRK ➡P276

## 2753JB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

* Renewal Kits → 2753BRK ➡P276



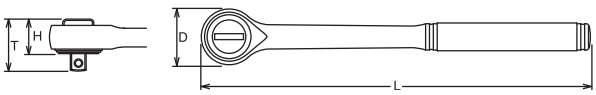

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2753NB | 22 | 18.7 | 11.4 | 115 | 90 | 10 |
| 2753PB | 22 | 18.7 | 11.4 | 115 | 87 | 10 |
| 2753JB | 22 | 18.7 | 11.4 | 115 | 77 | 5 |

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 2752N

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 2752RK ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2752N | 26.5 | 19.8 | 12.5 | 125 | 95 | 10 |

## 2774PS

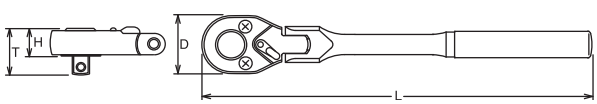
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 2753RK ➡P276

## 2774JS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 2753RK ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2774PS | 22 | 18.7 | 11.4 | 116 | 110 | 5 |
| 2774JS | 22 | 18.7 | 11.4 | 116 | 113 | 5 |

# Hand Sockets 1/4”

## 2774N
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.D.D.H-System | 20 | Flexible Head

* Renewal Kits → 2753RK ➡P276

## 2774P
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

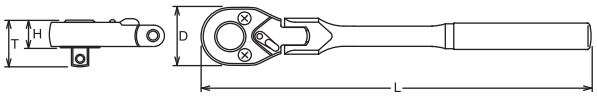
S.D.D.H-System | 20 | Flexible Head

* Renewal Kits → 2753RK ➡P276

## 2774J
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

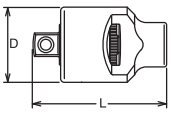
S.D.D.H-System | 20 | Flexible Head

* Renewal Kits → 2753RK ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2774N** | 22 | 18.7 | 11.4 | 161 | 130 | 2 |
| **2774P** | 22 | 18.7 | 11.4 | 161 | 126 | 2 |
| **2774J** | 22 | 18.7 | 11.4 | 161 | 130 | 2 |

## 2755
Ratchet Adaptor
Adaptador de carraca

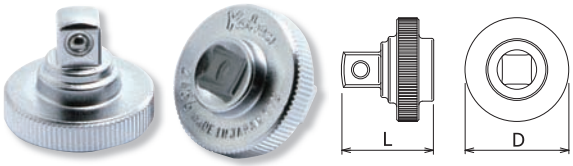



44

* Renewal Kits → 2755RK ➡P278

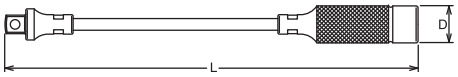
| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2755** | 26 | 40 | 80 | 10 |

## 2756
Quick Spinner
Disco de giro Rápido




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2756** | 22 | 20 | 19 | 10 |

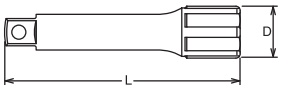
## 2762
Flexible Extension Bar
Alargadera Flexible




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2762** | 13 | 300 | 90 | 2 |

## 2760-28 • -50 • -75 • -100 • -150 • -200 • -250 • -300 • -350 • -400 • -600

Extension Bars
Alargaderas




| 2760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **28** | 12.3 | 28 | 14 | 10 |
| **50** | 12.3 | 50 | 23 | 10 |
| New **75** | 12.3 | 75 | 35 | 10 |
| **100** | 12.3 | 100 | 44 | 10 |
| **150** | 12.3 | 150 | 63 | 10 |
| **200** | 12.3 | 200 | 83 | 10 |
| **250** | 12.3 | 250 | 103 | 10 |
| **300** | 12.3 | 300 | 122 | 2 |
| **350** | 12.3 | 350 | 145 | 2 |
| **400** | 12.3 | 400 | 160 | 2 |
| **600** | 12.3 | 600 | 240 | 2 |

## PK2760/6

Set
Juego

PK2760/6 — 6 Pieces Set/⚖=430g

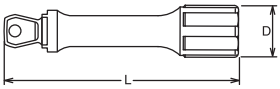
PLASTIC TRAY

Extension Bars

**2760** Extension Bars
28, 50, 100, 150, 200, 250

## 2763-28 • -50 • -75 • -100 • -150 • -200 • -250

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas ⚠




| 2763 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **28** | 12.3 | 28 | 14 | 10 |
| **50** | 12.3 | 50 | 23 | 10 |
| **75** | 12.3 | 75 | 33 | 10 |
| **100** | 12.3 | 100 | 43 | 10 |
| **150** | 12.3 | 150 | 62 | 10 |
| **200** | 12.3 | 200 | 80 | 10 |
| **250** | 12.3 | 250 | 100 | 10 |

## PK2763/6

Set
Juego

PK2763/6 — 6 Pieces Set/⚖=420g

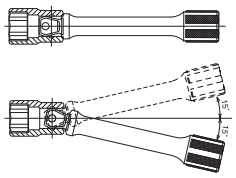
PLASTIC TRAY

Extension Bars

**2763** Wobble-Fix Extension Bar
28, 50, 100, 150, 200, 250

**Wobble-Fix Extension Bar**
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.




⚠ The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

## 2768N

Hinge Handle
Mango Articulado

* Renewal Kits → **2768RK** ➡P278

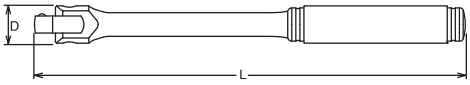
## 2768P

Hinge Handle
Mango Articulado

* Renewal Kits → **2768RK** ➡P278

## 2768J

Hinge Handle
Mango Articulado




* Renewal Kits → **2768RK** ➡P278

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2768N** | 14 | 130 | 86 | 10 |
| **2768P** | 14 | 130 | 70 | 10 |
| **2768J** | 14 | 130 | 73 | 5 |

## 2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador

| 2769N | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **150** | 50 | 150 | 68 | 2 |
| **220** | 120 | 220 | 100 | 2 |

Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

## 2769NWF-150 · -220

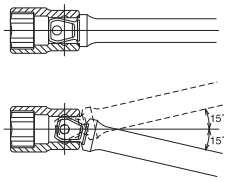
Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulados-Fijos

Wobble-Fix

| 2769NWF | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **150** | 50 | 150 | 68 | 2 |
| **220** | 120 | 220 | 100 | 2 |

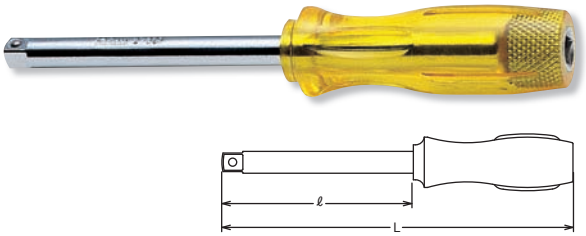
**Wobble-Fix Extension Bar**
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.




## 2769F

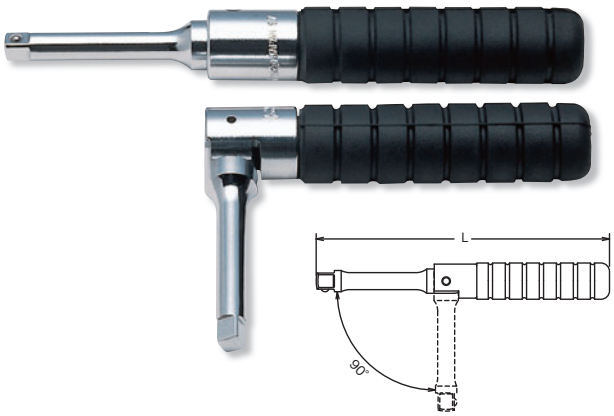
Spin Type Handle
Mango Tipo Destornillador




| | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2769F** | 78 | 150 | 90 | 5 |

## 2769H

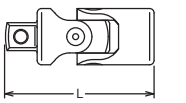
Folding Socket Driver
Llave de Vaso Plegable

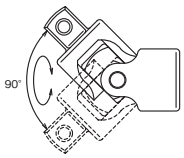



| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **2769H** | 160 | 180 | 10 |

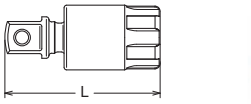
## 2770 Universal Joint
## Articulación Universal

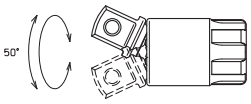
| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **2770** | 33 | 20 | 10 |
| **2771** | 31 | 20 | 10 |



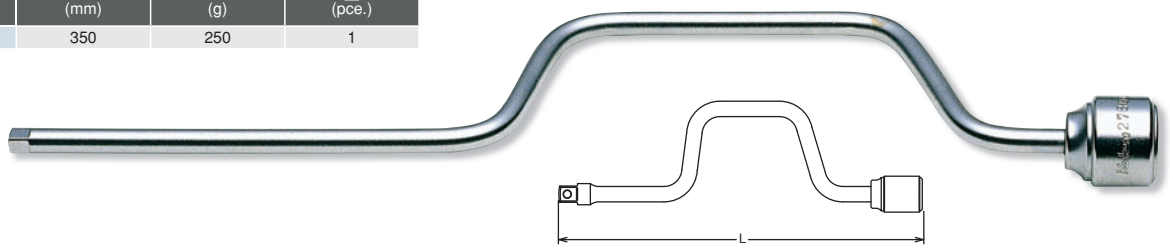
## 2771 Universal Joint
## Articulación Universal



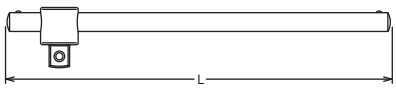
## 2780 Speed Handle
## Manivela Rápida

| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| **2780** | 350 | 250 | 1 |



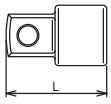

## 2785 T-Handle
## Mango Corredizo

| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **2785** | 115 | 36 | 10 |




## 2233A Adaptor
## Adaptador

| | □ (sq.) | □ (sq.) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **2233A** | 1/4" | 3/8" | 22 | 16 | 10 |



# Hand Sockets 1/4”

## 2201AM
Socket Set
Juego de Vasos

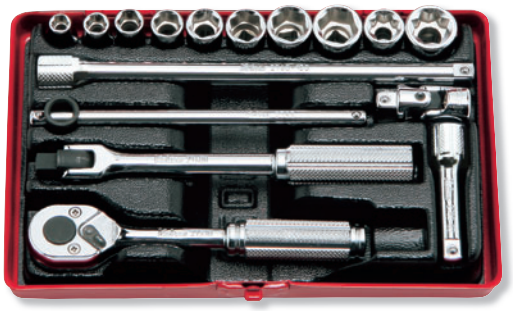
| 2201AM | 25 Pieces Set/=870g |
|---|---|
| METAL CASE:W240×H100×T32mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | 2753N |
| **2400A** 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 | 2760-100 |
| | 2769N-150 |
| | 2770 |
| | 2785 |

## 2203M · 2203A
Socket Set
Juego de Vasos

| 2203M | 12 Pieces Set/=550g |
|---|---|
| METAL CASE:W160×H100×T28mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8 9, 10, 11, 13 | 2769H |

| 2203A | 10 Pieces Set/=550g |
|---|---|
| METAL CASE:W160×H100×T28mm | |
| **Sockets** | **Accessories** |
| **2400A** 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 | 2769H |

## 2250M · 2250A
Socket Set
Juego de Vasos



| 2250M | 16 Pieces Set/=700g |
|---|---|
| METAL CASE:W160×H100×T28mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 5, 6, 7, 8, 9, 10, 11, 12 | 2753N |
| **2415M** Double Square Sockets 8, 10 | 2760-50 |
| | 2760-150 |
| | 2768N |
| | 2770 |
| | 2785 |

| 2250A | 16 Pieces Set/=700g |
|---|---|
| METAL CASE:W160×H100×T28mm | |
| **Sockets** | **Accessories** |
| **2400A** 6-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 | 2753N |
| **2415A** Double Square Sockets 1/4, 5/16, 3/8 | 2760-50 |
| | 2760-150 |
| | 2768N |
| | 2770 |
| | 2785 |

## 2254M
Bit Set
Juego de Puntas

| 2254M | 12 Pieces Set/=450g |
|---|---|
| METAL CASE:W160×H100×T28mm | |
| **Bits** | **Accessories** |
| **101P** Phillips Bits 1, 2, 3 | 102NA-1/4x5/16 |
| **101S** Slotted Bits 1×7, 1.2×7 | 2769F |
| **101H** Hex Bits 3, 4, 5 | 101A |
| | 2137 |

## 2257M

Socket Set
Juego de Vasos

| 2257M | 31 Pieces Set/=930g |
|---|---|
| METAL CASE:W240×H100×T32mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12 | 2753N |
| **2000.28** Bit Sockets 1, 2, 3, 4 | 2760-100 |
| **2005.25** Bit Sockets 4, 5, 6, 8, 9 | 2769N-150 |
| **2010M.25** Bit Sockets 3, 4, 5, 6, 8, 10 | 2770 |
| | 2785 |

## 2260M

Socket Set
Juego de Vasos

| 2260M | 28 Pieces Set/=2,370g |
|---|---|
| METAL CASE: W370×H150×T50mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 12 | 2753N |
| | 2760-50 |
| | 2760-100 |
| | 2769N-150 |
| **3400M** 6-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21 | 3749N |
| | 3760-75 |
| | 3760-125 |
| | 3785 |
| | 3322A |

## 2261M

Socket Set
Juego de Vasos

| 2261M | 17 Pieces Set/=690g |
|---|---|
| METAL CASE:W192×H122×T30mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12 | 2753N |
| | 2760-50 |
| | 2760-150 |
| | 2768N |
| | 2770 |
| | 2785 |

## 2262M

Socket Set
Juego de Vasos

| 2262M | 13 Pieces Set/=470g |
|---|---|
| METAL CASE:W192×H122×T30mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12 | 2760-50 |
| | 2768N |

## 2274M · 2274A

Socket Set
Juego de Vasos

| 2274M | 7 Pieces Set/=245g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **2300M** 6-pt. Deep Sockets 6, 7, 8, 9, 10, 11, 12 | |

| 2274A | 7 Pieces Set/=245g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **2300A** 6-pt. Deep Sockets 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 | |

# Hand Sockets 1/4”

## 2275 Sockets Set / Juego de Vasos

| 2275 | 19 Pieces Set/=880g |
|---|---|
| METAL CASE:W192×H122×T30mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13 | **2753N** |
| **2000.28** Bit Sockets 1, 2, 3 | **2763-50** |
| **2005.25** Bit Sockets 6, 8 | **2769N-150** |
| **2010M.25** Bit Sockets 3, 4, 5, 6 | |

## 2276 Sockets Set with Bits and Accessories / Juego de vasos con Puntas y Accesorios

| 2276 | 19 Pieces Set/=640g |
|---|---|
| METAL CASE:W192×H122×T30mm | |
| **Bits** | **Accessories** |
| **108P** Phillips Bits 1, 2, 3 | **2753PS** |
| **108S** Slotted Bits 4, 5, 6 | **2769N-150** |
| **108H** Hex Bits 3, 4, 5, 6 | **2137** |
| **108T** TORX® Bits T10, T15, T20, T25, T27, T30 | |

## 2277 Sockets Set / Juego de Vasos

| 2277 | 21 Pieces Set/=1,240g |
|---|---|
| METAL CASE:W310×H86×T50mm | |
| **Sockets** | **Accessories** |
| **2400M** 6-pt. Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | **2753N** |
| **2300M** 6-pt. Deep Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | **2763-75** |
| | **2769N-150** |

## 2277A-12P Sockets Set / Juego de Vasos

| 2277A-12P | 21 Pieces Set/=1,240g |
|---|---|
| METAL CASE:W310×H86×T50mm | |
| **Sockets** | **Accessories** |
| **2405A** 12-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 | **2753N** |
| **2305A** 12-pt. Deep Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 | **2763-75** |
| | **2769N-150** |

## P2201AM

Sockets Set
Juego de Vasos

| P2201AM | 25 Pieces Set/=800g |
|---|---|

PLASTIC CASE:W245×H120×T45mm

| Sockets | Accessories |
|---|---|
| **2400M** 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | **2753N** |
| **2400A** 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 | **2760-100** |
| | **2769N-150** |
| | **2770** |
| | **2785** |

## P2251M

Sockets Set
Juego de Vasos

| P2251M | 18 Pieces Set/=770g |
|---|---|

PLASTIC CASE:W245×H120×T45mm

| Sockets | Accessories |
|---|---|
| **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | **2753N** |
| | **2760-50** |
| | **2760-150** |
| | **2768N** |
| | **2770** |
| | **2785** |

## P2258M

Sockets Set
Juego de Vasos

| P2258M | 31 Pieces Set/=860g |
|---|---|

PLASTIC CASE:W245×H120×T45mm

| Sockets | Accessories |
|---|---|
| **2400M** 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 | **2753N** |
| **2000.28** Bit Sockets 1, 2, 3 | **2760-100** |
| **2005.25** Bit Sockets 4, 6 | **2769N-150** |
| **2010M.25** Bit Sockets 3, 4, 5, 6, 8 | **2770** |
| **2025.28** Bit Sockets T10, T15, T20, T25, T30 | **2785** |

## P2281A-12P

Sockets Set
Juego de Vasos

| P2281A-12P | 18 Pieces Set/=770g |
|---|---|

PLASTIC CASE:W245×H120×T45mm

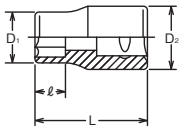
| Sockets | Accessories |
|---|---|
| **2405A** 12-pt. Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 | **2753N** |
| | **2760-50** |
| | **2760-150** |
| | **2768N** |
| | **2770** |
| | **2785** |

**ABS Case - PE foam insert**
**Caja ABS - espuma polietileno**

# Hand Sockets 3/8”

## 3400M · 3400A

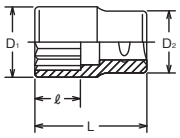
6-point Sockets
Vasos Hexagonales




| | 3400M 3405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | 5 | 8.3 | 17.3 | 5 | 26 | 20 | 10 |
| New | 5.5 | 8.9 | 17.3 | 5.5 | 26 | 20 | 10 |
| | 6 | 9.9 | 17.3 | 6 | 26 | 20 | 10 |
| | 7 | 10.8 | 17.3 | 6.5 | 26 | 20 | 10 |
| | 8 | 12 | 17.3 | 7 | 26 | 22 | 10 |
| | 9 | 13.3 | 17.3 | 7.5 | 26 | 23 | 10 |
| | 10 | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| | 11 | 15.8 | 17.3 | 8.5 | 26 | 25 | 10 |
| | 12 | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| | 13 | 18 | 17 | 9.5 | 26 | 24 | 10 |
| | 14 | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| | 15 | 20.8 | 19.5 | 11.5 | 28 | 39 | 10 |
| | 16 | 22 | 20 | 12 | 28 | 42 | 10 |
| | 17 | 23.3 | 21.5 | 12.5 | 29 | 51 | 10 |
| | 18 | 24.5 | 22.5 | 13 | 30 | 51 | 10 |
| | 19 | 25.8 | 23.5 | 13.5 | 30 | 63 | 10 |
| | 20 | 27 | 24.5 | 14 | 31 | 75 | 10 |
| | 21 | 28 | 26 | 14.5 | 32 | 77 | 10 |
| | 22 | 29.5 | 26.5 | 15 | 32 | 82 | 10 |
| | 23 | 30.8 | 27.5 | 15.5 | 33 | 95 | 10 |
| | 24 | 32 | 28.5 | 16 | 34 | 102 | 10 |

## 3405M · 3405A

12-point Sockets
Vasos Bihexagonales




| 3400A 3405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 1/4 | 10.3 | 17.3 | 6 | 26 | 20 | 10 |
| 5/16 | 12 | 17.3 | 7 | 26 | 22 | 10 |
| 11/32 | 13.3 | 17.3 | 7.5 | 26 | 23 | 10 |
| 3/8 | 13.9 | 17.3 | 8 | 26 | 23 | 10 |
| 7/16 | 15.8 | 17.3 | 8.5 | 26 | 25 | 10 |
| 1/2 | 18 | 17 | 9.5 | 26 | 24 | 10 |
| 9/16 | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| 19/32 | 20.8 | 19.5 | 11.5 | 28 | 39 | 10 |
| 5/8 | 22 | 20 | 12 | 28 | 42 | 10 |
| 11/16 | 24.5 | 22.5 | 13 | 30 | 51 | 10 |
| 3/4 | 25.8 | 23.5 | 13.5 | 30 | 63 | 10 |
| 25/32 | 27 | 24.5 | 14 | 31 | 75 | 10 |
| 13/16 | 28 | 26 | 14.5 | 32 | 77 | 10 |
| 7/8 | 29.5 | 26.5 | 15 | 32 | 82 | 10 |
| 15/16 | 32 | 28.5 | 16 | 34 | 102 | 10 |

## FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

## RS3400M/8
## RS3405M/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3400M/8 — 8 Pieces Set/Rail 200mm | (g) |
|---|---|
| 8, 10, 11, 12, 13, 14, 17, 19 | 300 |

| RS3405M/8 — 8 Pieces Set/Rail 200mm | (g) |
|---|---|
| 8, 10, 11, 12, 13, 14, 17, 19 | 300 |

## RS3400M/12
## RS3405M/12

Socket Set on Rail
Juego de Vasos en Regleta

| RS3400M/12 — 12 Pieces Set/Rail 300mm | (g) |
|---|---|
| 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | 465 |

| RS3405M/12 — 12 Pieces Set/Rail 300mm | (g) |
|---|---|
| 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | 465 |

## RS3400A/9
## RS3405A/9

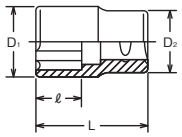
Socket Set on Rail
Juego de Vasos en Regleta

| RS3400A/9 — 9 Pieces Set/Rail 200mm | (g) |
|---|---|
| 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 | 333 |

| RS3405A/9 — 9 Pieces Set/Rail 200mm | (g) |
|---|---|
| 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 | 333 |

## 3410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



| 3410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| New 5.5 | 8.9 | 17.3 | 5.5 | 26 | 20 | 10 |
| 6 | 9.9 | 17.3 | 6 | 26 | 20 | 10 |
| 7 | 10.8 | 17.3 | 6.5 | 26 | 20 | 10 |
| 8 | 12 | 17.3 | 7 | 26 | 22 | 10 |
| 9 | 13.3 | 17.3 | 7.5 | 26 | 23 | 10 |
| 10 | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| 11 | 15.8 | 17.3 | 8.5 | 26 | 25 | 10 |
| 12 | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| 13 | 18 | 17 | 9.5 | 26 | 24 | 10 |
| 14 | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| 15 | 20.8 | 19.5 | 11.5 | 28 | 39 | 10 |
| 16 | 22 | 20 | 12 | 28 | 42 | 10 |
| 17 | 23.3 | 21.5 | 12.5 | 29 | 51 | 10 |
| 18 | 24.5 | 22.5 | 13 | 30 | 51 | 10 |
| 19 | 25.8 | 23.5 | 13.5 | 30 | 63 | 10 |
| 20 | 27 | 24.5 | 14 | 31 | 75 | 10 |
| 21 | 28 | 26 | 14.5 | 32 | 77 | 10 |
| 22 | 29.5 | 26.5 | 15 | 32 | 82 | 10 |
| 23 | 30.8 | 27.5 | 15.5 | 33 | 95 | 10 |
| 24 | 32 | 28.5 | 16 | 34 | 102 | 10 |

# SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

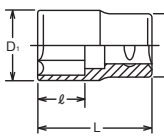
## RS3410M/12

Socket Set on Rail
Juego de Vasos en Regleta

| RS3410M/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | | 468 |

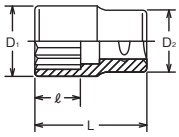
## 3400W

6-point Whitworth Sockets
Vasos Hexagonales Whitworth



## 3405W

12-point Whitworth Sockets
Vasos Bihexagonales Whitworth



| 3400W 3405W (W) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 1/8 | 13.3 | 17.3 | 7.5 | 26 | 22 | 10 |
| 3/16 | 15.8 | 17.3 | 8.5 | 26 | 25 | 10 |
| 1/4 | 18 | 17 | 9.5 | 26 | 24 | 10 |
| 5/16 | 20.8 | 19.5 | 11.5 | 28 | 39 | 10 |
| 3/8 | 24.5 | 22.5 | 13 | 30 | 51 | 10 |
| 7/16 | 28 | 26 | 14.5 | 32 | 81 | 10 |
| 1/2 | 30.8 | 27.5 | 15.5 | 33 | 103 | 10 |
| 9/16 | 34.5 | 30.5 | 17 | 35 | 128 | 10 |

### BS W

| BS・W | BS | 3/16BS | 1/4BS | 5/16BS | 3/8BS | 7/16BS | 1/2BS | 9/16BS | 5/8BS | 11/16BS | 3/4BS | 7/8BS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | 1/8W | 3/16W | 1/4W | 5/16W | 3/8W | 7/16W | 1/2W | 9/16W | 5/8W | 11/16W | 3/4W |
| Across Flat | (ref. mm) | 8.64 | 11.30 | 13.34 | 15.24 | 18.03 | 20.83 | 23.37 | 25.65 | 27.94 | 30.48 | 33.35 |

## RS3400W/7
## RS3405W/7

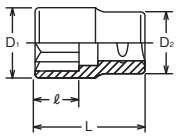
Socket Set on Rail
Juego de Vasos en Regleta

| RS3400W/7 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 | | 389 |

| RS3405W/7 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 | | 389 |

## 3415M・3415A

Double Square Sockets
Vasos Octagonales



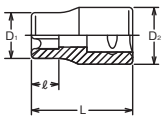
| 3415M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 6 | 12.5 | 17.3 | 6 | 26 | 24 | 10 |
| 8 | 14.5 | 17.3 | 7 | 26 | 26 | 10 |
| 10 | 16.8 | 17.3 | 8 | 26 | 27 | 10 |
| 12 | 20.8 | 19.5 | 9 | 27 | 43 | 10 |

| 3415A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 1/4 | 12 | 17.3 | 6 | 26 | 24 | 10 |
| 5/16 | 14.5 | 17.3 | 7 | 26 | 26 | 10 |
| 11/32 | 15.8 | 17.3 | 7.5 | 26 | 27 | 10 |
| 3/8 | 16.8 | 17.3 | 8 | 26 | 27 | 10 |
| 7/16 | 19.5 | 18.5 | 8.5 | 27 | 37 | 10 |
| 1/2 | 22 | 20 | 9.5 | 27 | 46 | 10 |

# Hand Sockets 3/8”

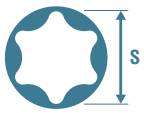
## 3425

TORX® Sockets
Vasos TORX®




| 3425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 4** | 5.6 | 17.3 | 4.6 | 26 | 18 | 10 |
| **E 5** | 7 | 17.3 | 5.2 | 26 | 20 | 10 |
| **E 6** | 8.3 | 17.3 | 5.4 | 26 | 21 | 10 |
| **E 7** | 8.9 | 17.3 | 6.6 | 26 | 22 | 10 |
| **E 8** | 9.9 | 17.3 | 7 | 26 | 23 | 10 |
| **E10** | 12 | 17.3 | 8.2 | 26 | 24 | 10 |
| **E11** | 13.3 | 17.3 | 8.7 | 26 | 25 | 10 |
| **E12** | 14.5 | 17.3 | 9.3 | 26 | 26 | 10 |
| **E14** | 15.8 | 17.3 | 10.6 | 26 | 27 | 10 |
| **E16** | 18 | 17 | 11.8 | 26 | 27 | 10 |

TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

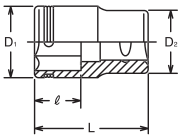
## RS3425/9

Socket Set on Rail
Juego de Vasos en Regleta

| RS3425/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **E4, E5, E6, E7, E8, E10, E12, E14, E16** | | 239 |

## 3425(2B)

TORX® Sockets **Nut Grip®**
Vasos TORX® **Nut Grip®**




| 3425 (2B) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E10** | 12 | 17.3 | 8.2 | 26 | 23 | 10 |
| **E12** | 14.5 | 17.3 | 9.3 | 26 | 25 | 10 |
| **E14** | 15.8 | 17.3 | 10.6 | 26 | 26 | 10 |
| New **E16** | 18.1 | 17 | 11.8 | 26 | 27 | 10 |
| New **E18** | 19.5 | 18.5 | 12 | 32 | 41 | 10 |
| **E20** | 21.9 | 20 | 14.4 | 32 | 52 | 10 |

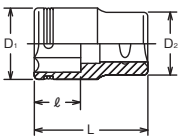
## RS3425/4(2B)

Socket Set on Rail
Juego de Vasos en Regleta

| RS3425/4(2B) | 4 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **E10, E12, E14, E20** | | 150 |

## 3450M

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**




| 3450M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 17.3 | 5 | 26 | 21 | 10 |
| **10** | 14.5 | 17.3 | 6 | 26 | 24 | 10 |
| **11** | 15.8 | 17.3 | 6.5 | 26 | 26 | 10 |
| **12** | 16.8 | 17.3 | 7 | 26 | 26 | 10 |
| **13** | 18 | 17 | 8 | 26 | 28 | 10 |
| **14** | 19.5 | 18.5 | 8.5 | 27 | 34 | 10 |
| **15** | 20.8 | 19.5 | 9 | 27 | 42 | 10 |
| **16** | 22 | 20 | 9 | 27 | 50 | 10 |
| **17** | 23.3 | 21.5 | 9.5 | 28 | 62 | 10 |
| **18** | 24.5 | 22.5 | 10.5 | 29 | 64 | 10 |
| **19** | 25.8 | 23.3 | 11.5 | 29 | 66 | 10 |
| **21** | 28 | 26 | 12 | 29 | 85 | 10 |
| **22** | 29.5 | 27 | 12.5 | 29 | 90 | 10 |
| **24** | 32 | 30 | 14.5 | 31 | 102 | 10 |

## RS3450M/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3450M/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 10, 11, 12, 13, 14, 17, 19** | | 310 |

## RS3450M/10

Socket Set on Rail
Juego de Vasos en Regleta

| RS3450M/10 | 10 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| **10, 11, 12, 13, 14, 15, 17, 19, 21, 22** | | 500 |



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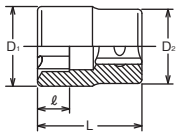
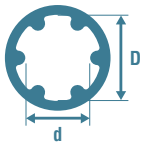
## 3400LH

LHS Sockets
Vasos LHS

| 3400LH (LH-S) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5S** | 10.8 | 17.3 | 5 | 26 | 20 | 10 |
| **6S** | 12 | 17.3 | 5.6 | 26 | 22 | 10 |
| **8S** | 15.8 | 17.3 | 6.8 | 26 | 25 | 10 |
| **10S** | 18 | 17 | 8 | 26 | 25 | 10 |
| **12S** | 22 | 20 | 9.2 | 28 | 42 | 10 |
| **14S** | 24.5 | 22.5 | 10.4 | 30 | 51 | 10 |
| **16S** | 28 | 26 | 11.6 | 32 | 77 | 10 |



### LHSTIX®




| LH-S | | LH-5S | LH-6S | LH-8S | LH-10S | LH-12S | LH-14S | LH-16S |
|---|---|---|---|---|---|---|---|---|
| D | (ref. mm) | 7.5 | 9.0 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 |
| d | (ref. mm) | 5.60 | 6.78 | 9.04 | 11.30 | 13.56 | 15.82 | 18.08 |

## RS3400LH/7

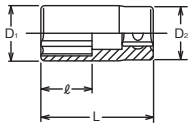
Socket Set on Rail
Juego de Vasos en Regleta

| RS3400LH/7 | 7 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **5S, 6S, 8S, 10S, 12S, 14S, 16S** | | 315 |

## 3300X · 3300XA

6-point Sockets, Semi-Deep
Vasos Hexagonales, Medianos

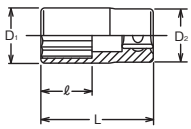
| 3300X 3305X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 17.3 | 16 | 40 | 34 | 10 |
| **9** | 13 | 17.3 | 16 | 40 | 36 | 10 |
| **10** | 14.5 | 17.3 | 16 | 40 | 36 | 10 |
| **11** | 16 | 17.3 | 18 | 40 | 36 | 10 |
| **12** | 16.8 | 17.3 | 18 | 40 | 36 | 10 |
| **13** | 18 | 17 | 18 | 40 | 37 | 10 |
| **14** | 20 | 18 | 18 | 40 | 46 | 10 |
| **15** | 21 | 20 | 20 | 40 | 49 | 10 |
| **16** | 22 | 20 | 20 | 40 | 51 | 10 |
| **17** | 23.5 | 22 | 20 | 40 | 61 | 10 |
| **18** | 24.5 | 23 | 20 | 40 | 68 | 10 |
| **19** | 25 | 24 | 20 | 40 | 75 | 10 |



## 3305X · 3305XA

12-point Sockets, Semi-Deep
Vasos Bihexagonales, Medianos

| 3300XA 3305XA (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 10.3 | 17.3 | 16 | 40 | 32 | 10 |
| **5/16** | 12 | 17.3 | 16 | 40 | 34 | 10 |
| **3/8** | 13.9 | 17.3 | 16 | 40 | 36 | 10 |
| **7/16** | 16 | 17.2 | 18 | 40 | 36 | 10 |
| **1/2** | 16.8 | 17 | 18 | 40 | 37 | 10 |
| **9/16** | 20 | 18.5 | 18 | 40 | 46 | 10 |
| **5/8** | 22 | 20 | 20 | 40 | 51 | 10 |
| **11/16** | 24.5 | 22.5 | 20 | 40 | 68 | 10 |
| **3/4** | 25 | 23.5 | 20 | 40 | 75 | 10 |



## RS3300X/8
## RS3305X/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3300X/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 10, 11, 12, 13, 14, 17, 19** | | 405 |

| RS3305X/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 10, 11, 12, 13, 14, 17, 19** | | 405 |

## RS3300XA/9
## RS3305XA/9

Socket Set on Rail
Juego de Vasos en Regleta

| RS3300XA/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4** | | 460 |

| RS3305XA/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4** | | 460 |

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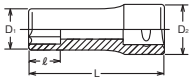
# Hand Sockets 3/8”

## 3300M · 3300A

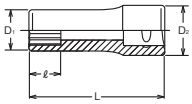
6-point Deep Sockets
Vasos Hexagonales Largos




| | 3300M 3305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **5.5** | 8.9 | 17.3 | 6.5 | 55 | 37 | 10 |
| | **6** | 9.9 | 17.3 | 7 | 55 | 37 | 10 |
| | **7** | 10.6 | 17.3 | 8 | 55 | 37 | 10 |
| | **8** | 12 | 17.3 | 9 | 55 | 40 | 10 |
| | **9** | 13 | 17.3 | 10 | 55 | 42 | 10 |
| | **10** | 14.5 | 17.3 | 11 | 55 | 46 | 10 |
| | **11** | 16 | 17.3 | 12 | 55 | 51 | 10 |
| | **12** | 16.8 | 17.2 | 13 | 55 | 52 | 10 |
| | **13** | 18 | 17 | 14 | 55 | 53 | 10 |
| | **14** | 20 | 18 | 16 | 55 | 60 | 10 |
| | **15** | 21 | 20 | 16 | 55 | 74 | 10 |
| | **16** | 22 | 20 | 17 | 55 | 76 | 10 |
| | **17** | 23.5 | 22 | 18 | 55 | 93 | 10 |
| | **18** | 24.5 | 23 | 19 | 55 | 98 | 10 |
| | **19** | 25 | 24 | 20 | 55 | 98 | 10 |
| | **20** | 26 | 25 | 21 | 65 | 126 | 10 |
| | **21** | 27 | 26 | 22 | 65 | 126 | 10 |
| | **22** | 29 | 28 | 23 | 65 | 163 | 10 |
| | **23** | 30 | 29 | 24 | 65 | 168 | 10 |
| | **24** | 31 | 30 | 25 | 65 | 191 | 10 |
| New | **25** | 33 | 30 | 26 | 65 | 199 | 10 |
| New | **26** | 34 | 31 | 27 | 65 | 209 | 10 |
| | **27** | 35 | 32.5 | 28 | 65 | 218 | 10 |

## 3305M · 3305A

12-point Deep Sockets
Vasos Bihexagonales Largos




| 3300A 3305A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 9.9 | 17.3 | 7 | 55 | 37 | 10 |
| **5/16** | 12 | 17.3 | 9 | 55 | 40 | 10 |
| **11/32** | 12.3 | 17.3 | 10 | 55 | 41 | 10 |
| **3/8** | 14 | 17.3 | 11 | 55 | 46 | 10 |
| **7/16** | 16 | 17.3 | 12 | 55 | 51 | 10 |
| **1/2** | 18 | 17 | 14 | 55 | 53 | 10 |
| **9/16** | 20 | 18 | 16 | 55 | 60 | 10 |
| **19/32** | 21 | 20 | 16 | 55 | 74 | 10 |
| **5/8** | 22 | 20 | 17 | 55 | 76 | 10 |
| **11/16** | 23.5 | 22 | 18 | 55 | 93 | 10 |
| **3/4** | 25 | 24 | 20 | 55 | 98 | 10 |
| **13/16** | 27 | 26 | 22 | 65 | 126 | 10 |
| **7/8** | 29 | 28 | 23 | 65 | 163 | 10 |
| **15/16** | 31 | 30 | 25 | 65 | 191 | 10 |

## RS3300M/8
## RS3305M/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3300M/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **8, 10, 11, 12, 13, 14, 17, 19** | 540 |

| RS3305M/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **8, 10, 11, 12, 13, 14, 17, 19** | 540 |

## RS3300M/12
## RS3305M/12

Socket Set on Rail
Juego de Vasos en Regleta

| RS3300M/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| | **8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19** | 878 |

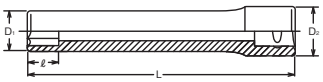
| RS3305M/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| | **8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19** | 878 |

## RS3300A/9
## RS3305A/9

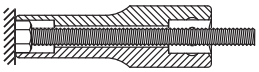
Socket Set on Rail
Juego de Vasos en Regleta

| RS3300A/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4** | 628 |

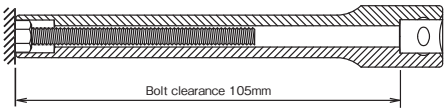
| RS3305A/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4** | 628 |




3300M-Size DEEP SOCKET



3300M-Size(L120) EXTRA DEEP SOCKET




| 3300M(L120) 3305M(L120) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 17.3 | 9 | 120 | 85 | 10 |
| **10** | 14.5 | 17.3 | 11 | 120 | 110 | 10 |
| **12** | 16.8 | 17.2 | 13 | 120 | 116 | 10 |
| **13** | 18 | 17 | 14 | 120 | 155 | 5 |
| **14** | 20 | 18 | 16 | 120 | 166 | 5 |

## 3300M (L120)

6-point Extra Deep Sockets
Vasos Hexagonales Extra-Largos

## 3305M (L120)

12-point Extra Deep Sockets
Vasos Bihexagonales Extra-Largos

| 3300M/4-L120 | 4 Pieces Set/=477g |
|---|---|
| PLASTIC BAG | |
| Sockets | |
| **3300M(L120)** 6-point Extra Deep Sockets<br>8, 10, 12, 14 | |

| New 3305M/4-L120 | 4 Pieces Set/=477g |
|---|---|
| PLASTIC BAG | |
| Sockets | |
| **3305M(L120)** 12-point Extra Deep Sockets<br>8, 10, 12, 14 | |

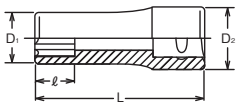
## 3300M/4-L120
## 3305M/4-L120

Socket Set
Juego de Vasos

| 3310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **6** | 9.9 | 17.3 | 7 | 55 | 37 | 10 |
| **7** | 10.6 | 17.3 | 8 | 55 | 37 | 10 |
| **8** | 12 | 17.3 | 9 | 55 | 40 | 10 |
| **9** | 13 | 17.3 | 10 | 55 | 42 | 10 |
| **10** | 14.5 | 17.3 | 11 | 55 | 46 | 10 |
| **11** | 16 | 17.3 | 12 | 55 | 51 | 10 |
| **12** | 16.8 | 17.2 | 13 | 55 | 52 | 10 |
| **13** | 18 | 17 | 14 | 55 | 53 | 10 |
| **14** | 20 | 18 | 16 | 55 | 60 | 10 |
| **15** | 21 | 20 | 16 | 55 | 74 | 10 |
| **16** | 22 | 20 | 17 | 55 | 76 | 10 |
| **17** | 23.5 | 22 | 18 | 55 | 93 | 10 |
| **18** | 24.5 | 23 | 19 | 55 | 98 | 10 |
| **19** | 25 | 24 | 20 | 55 | 98 | 10 |
| **20** | 26 | 25 | 21 | 65 | 126 | 10 |
| **21** | 27 | 26 | 22 | 65 | 126 | 10 |
| **22** | 29 | 28 | 23 | 65 | 163 | 10 |
| **23** | 30 | 29 | 24 | 65 | 168 | 10 |
| **24** | 31 | 30 | 25 | 65 | 161 | 10 |

## 3310M

Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos




| RS3310M/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19** | | 881 |

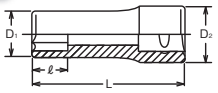
## RS3310M/12

Socket Set on Rail
Juego de Vasos en Regleta

# Hand Sockets 3/8”

## 3300W

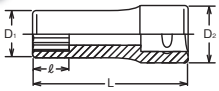
6-point Deep Whitworth Sockets
Vasos Whitworth Hexagonales Largos




| 3300W 3305W (W) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/8** | 12.3 | 17.3 | 10 | 55 | 46 | 10 |
| **3/16** | 16 | 17.3 | 12 | 55 | 55 | 10 |
| **1/4** | 18 | 17 | 14 | 55 | 57 | 10 |
| **5/16** | 21 | 20 | 16 | 55 | 79 | 10 |
| **3/8** | 24.5 | 23 | 19 | 55 | 96 | 10 |
| **7/16** | 27 | 26 | 22 | 65 | 140 | 10 |
| **1/2** | 30 | 29 | 24 | 65 | 193 | 10 |
| **9/16** | 34 | 31 | 27 | 65 | 250 | 10 |

## 3305W

12-point Deep Whitworth Sockets
Vasos Whitworth Bihexagonales Largos




### BS W

| BS・W | BS | 3/16BS | 1/4BS | 5/16BS | 3/8BS | 7/16BS | 1/2BS | 9/16BS | 5/8BS | 11/16BS | 3/4BS | 7/8BS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | 1/8W | 3/16W | 1/4W | 5/16W | 3/8W | 7/16W | 1/2W | 9/16W | 5/8W | 11/16W | 3/4W |
| Across Flat | (ref. mm) | 8.64 | 11.30 | 13.34 | 15.24 | 18.03 | 20.83 | 23.37 | 25.65 | 27.94 | 30.48 | 33.35 |

## RS3300W/7
## RS3305W/7

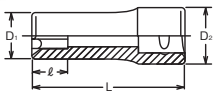
Socket Set on Rail
Juego de Vasos en Regleta

| RS3300W/7 — 7 Pieces Set/Rail 200mm | (g) |
|---|---|
| **1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2** | 719 |

| RS3305W/7 — 7 Pieces Set/Rail 200mm | (g) |
|---|---|
| **1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2** | 719 |

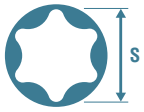
## 3325

TORX® Deep Sockets
Vasos TORX® Largos




| 3325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 4** | 5.6 | 17.3 | 4.6 | 55 | 29 | 10 |
| **E 5** | 6.9 | 17.3 | 5.2 | 55 | 31 | 10 |
| **E 6** | 7.9 | 17.3 | 5.4 | 55 | 33 | 10 |
| **E 7** | 8.9 | 17.3 | 6.6 | 55 | 36 | 10 |
| **E 8** | 9.9 | 17.3 | 7 | 55 | 39 | 10 |
| **E10** | 11.8 | 17.3 | 8.2 | 55 | 43 | 10 |
| **E12** | 14.5 | 17.2 | 9.3 | 55 | 53 | 10 |
| **E14** | 15.7 | 17.2 | 10.6 | 55 | 57 | 10 |
| **E16** | 18 | 17 | 11.8 | 55 | 69 | 10 |

### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## RS3325/9

Socket Set on Rail
Juego de Vasos en Regleta

| RS3325/9 — 9 Pieces Set/Rail 200mm | (g) |
|---|---|
| **E4, E5, E6, E7, E8, E10, E12, E14, E16** | 420 |



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## 3350M

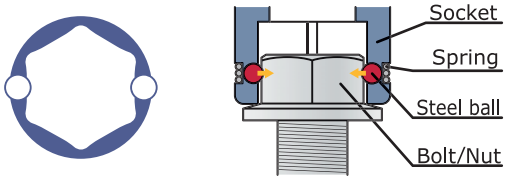
Nut Grip Deep Sockets **Nut Grip®**
Vasos Sujeta-tuercas Largos **Nut Grip®**

| 3350M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 17.3 | 5 | 55 | 50 | 10 |
| **10** | 14.5 | 17.3 | 6 | 55 | 54 | 10 |
| **12** | 16.8 | 17.3 | 7 | 55 | 58 | 10 |
| **13** | 18 | 17 | 8 | 55 | 59 | 10 |
| **14** | 19.5 | 18 | 8.5 | 55 | 71 | 10 |

## RS3350M/5

Socket Set on Rail
Juego de Vasos en Regleta

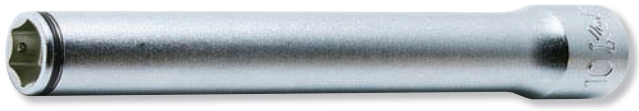
| RS3350M/5 | 5 Pieces set/Rail 150mm | (g) |
|---|---|---|
| **8, 10, 12, 13, 14** | | 322 |




## 3350M (L120)

Extra Deep Sockets **Nut Grip®**
Vasos Extra-Largos **Nut Grip®**

| 3350M(L120) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **10** | 14.5 | 17.3 | 6 | 120 | 110 | 10 |
| **12** | 16.8 | 17.3 | 7 | 120 | 116 | 10 |



## 3350M/2-L120

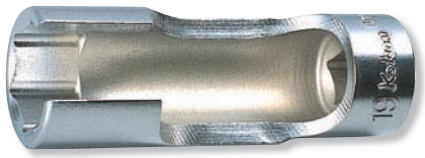
Socket Set
Juego de Vasos

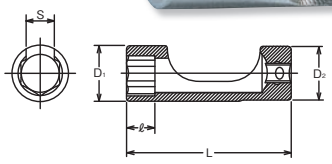
| 3350M/2-L120 | 2 Pieces Set/⚖=230g |
|---|---|
| PLASTIC BAG | |
| Sockets | |
| **3350M(L120)** Nut Grip Extra Deep Sockets 10, 12 | |

## 3300FN

Flare Nut Sockets
Llaves de vaso para entubar

| 3300FN (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | S (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **8** | 14.5 | 17.3 | 6 | 53 | 6.4 | 38 | 10 |
| **9** | 16 | 17.3 | 7 | 53 | 6.8 | 41 | 10 |
| **10** | 16.8 | 17.2 | 7.5 | 53 | 7.2 | 42 | 10 |
| **11** | 18 | 17 | 8.5 | 53 | 8.3 | 42 | 10 |
| **12** | 20 | 18 | 9 | 53 | 8.8 | 50 | 10 |
| **13** | 21.1 | 20 | 9.5 | 62 | 9.4 | 66 | 10 |
| **14** | 22 | 20 | 10.5 | 62 | 10.5 | 66 | 10 |
| **15** | 23 | 22 | 11 | 70 | 11.5 | 82 | 10 |
| **16** | 24 | 23 | 11.5 | 70 | 12 | 90 | 10 |
| **17** | 25 | 24 | 12.5 | 80 | 13 | 110 | 10 |
| **18** | 27 | 25 | 13 | 80 | 13.5 | 120 | 10 |
| **19** | 28 | 26 | 14 | 80 | 14.5 | 130 | 10 |






## RS3300FN/6

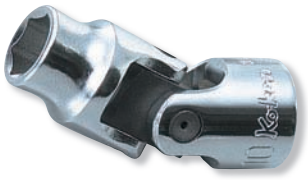
Socket Set on Rail
Juego de Vasos en Regleta

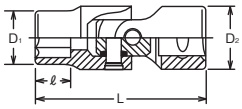
| RS3300FN/6 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **8, 10, 12, 14, 17, 19** | | 450 |

# Hand Sockets 3/8”

## 3440M · 3440A

6-point Universal Sockets
Vasos Hexagonales Universal

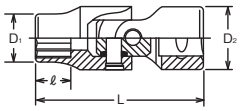





| 3440M 3445M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 7.3 | 47 | 50 | 10 |
| **9** | 13.3 | 19 | 7.8 | 47.5 | 50 | 10 |
| **10** | 14.5 | 19 | 8.8 | 48.5 | 64 | 10 |
| **11** | 15.8 | 19 | 9.8 | 49.5 | 66 | 10 |
| **12** | 17 | 19 | 10.3 | 50 | 67 | 10 |
| **13** | 18.3 | 19 | 11.3 | 51 | 68 | 10 |
| **14** | 19.5 | 19 | 11.3 | 51 | 69 | 10 |
| **15** | 20.8 | 19 | 12.8 | 53.5 | 70 | 10 |
| **16** | 22 | 19 | 12.8 | 53.5 | 77 | 10 |
| **17** | 23.3 | 19 | 13.8 | 54.5 | 80 | 10 |
| **18** | 24.5 | 19 | 13.8 | 54.5 | 80 | 10 |
| **19** | 25.8 | 19 | 15.8 | 56.5 | 84 | 10 |
| **21** | 28.3 | 19 | 16.8 | 56.5 | 96 | 10 |

## 3445M · 3445A

12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal




| 3440A 3445A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5/16** | 12 | 19 | 7.3 | 47 | 50 | 10 |
| **3/8** | 14 | 19 | 8.3 | 48 | 64 | 10 |
| **7/16** | 15.8 | 19 | 9.8 | 49.5 | 66 | 10 |
| **1/2** | 18.3 | 19 | 11.3 | 51 | 68 | 10 |
| **9/16** | 19.5 | 19 | 11.3 | 51 | 69 | 10 |
| **5/8** | 22 | 19 | 12.8 | 53.5 | 77 | 10 |
| **11/16** | 24.5 | 19 | 13.8 | 54.5 | 80 | 10 |
| **3/4** | 25.8 | 19 | 15.8 | 56.5 | 84 | 10 |

## RS3440M/8
## RS3440A /8

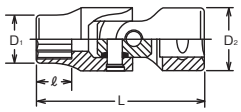
Socket Set on Rail
Juego de Vasos en Regleta

| RS3440M/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **8, 10, 11, 12, 13, 14, 17, 19** | 550 |

| RS3440A/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4** | 570 |

## 3445W

12-point Whitworth Universal Socket
Vasos Whitworth Bihex con Articulación Universal




| | 3445W (W) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **1/8** | 13.3 | 19 | 7.8 | 47.5 | 50 | 10 |
| New | **3/16** | 15.8 | 19 | 9.7 | 49.5 | 66 | 10 |
| New | **1/4** | 18.3 | 19 | 11.3 | 51 | 68 | 10 |
| New | **5/16** | 20.8 | 19 | 12.8 | 53.5 | 70 | 10 |
| New | **3/8** | 24.5 | 19 | 13.8 | 54.5 | 80 | 10 |
| New | **7/16** | 28.3 | 19 | 16.8 | 57.5 | 96 | 10 |
| New | **1/2** | 30.8 | 19 | 17.8 | 58.5 | 105 | 10 |

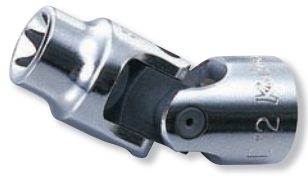
## RS3445W/7

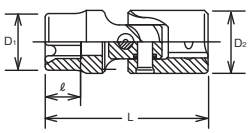
Socket Set on Rail
Juego de Vasos en Regleta

| | RS3445W/7 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|---|
| New | | **1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2** | 570 |

## 3440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal






| 3440T (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 6** | 7.9 | 19 | 5.4 | 44.5 | 60 | 10 |
| **E 8** | 9.9 | 19 | 7 | 46 | 63 | 10 |
| **E10** | 11.8 | 19 | 8.2 | 47 | 63 | 10 |
| **E12** | 14.5 | 19 | 9.3 | 48.5 | 68 | 10 |
| **E14** | 15.7 | 19 | 10.6 | 49 | 68 | 10 |
| **E16** | 18 | 19 | 11.8 | 50 | 70 | 10 |
| **E18** | 19.5 | 19 | 13 | 53 | 78 | 10 |
| **E20** | 22 | 19 | 14.4 | 54 | 81 | 10 |

## RS3440T/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3440T/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **E6, E8, E10, E12, E14, E16, E18, E20** | 594 |



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## 3441M

Nut Grip Universal Sockets **Nut Grip®**
Vasos Sujeta-Tuercas con Articulación Universal

| 3441M (mm) | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 5 | 46 | 57 | 10 |
| **10** | 14.5 | 19 | 6 | 46 | 58 | 10 |
| **12** | 16.8 | 19 | 7 | 47 | 58 | 10 |
| **13** | 18 | 19 | 8 | 48 | 60 | 10 |
| **14** | 19.5 | 19 | 8.5 | 49.5 | 65 | 10 |

| RS3441M/5 | 5 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| | **8, 10, 12, 13, 14** | 320 |

## 3340M-75

Universal Deep Sockets
Vasos Largos con Articulación Universal

| 3340M.75 (mm) | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 9 | 75 | 82 | 10 |
| **10** | 14.5 | 19 | 11 | 75 | 87 | 10 |
| **11** | 15.8 | 19 | 12 | 75 | 87 | 10 |
| **12** | 17 | 19 | 13 | 75 | 92 | 10 |
| **13** | 18.3 | 19 | 14 | 75 | 93 | 10 |
| **14** | 19.5 | 19 | 15 | 75 | 103 | 10 |
| **15** | 20.8 | 19 | 16 | 75 | 104 | 10 |
| **16** | 22 | 19 | 17 | 75 | 110 | 10 |
| **17** | 23.3 | 19 | 18 | 75 | 115 | 10 |
| **18** | 24.5 | 19 | 19 | 75 | 119 | 10 |
| **19** | 25.8 | 19 | 20 | 75 | 123 | 10 |

## RS3340M/8-L75

Socket Set on Rail
Juego de Vasos en Regleta

| RS3340M/8-L75 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **8, 10, 11, 12, 13, 14, 17, 19** | 810 |

## 3430M

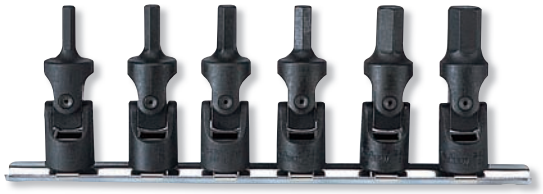
Universal Inhex Bit Sockets
Vasos Inhex con Articulación Universal

| 3430M (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5** | 19 | 15.5 | 62 | 66 | 10 |
| **6** | 19 | 15.5 | 62 | 70 | 10 |
| **7** | 19 | 15.5 | 62 | 72 | 10 |
| **8** | 19 | 15.5 | 62 | 74 | 10 |
| **10** | 19 | 15.5 | 62 | 78 | 10 |
| **12** | 19 | 15.5 | 62 | 85 | 10 |

## RS3430M/6

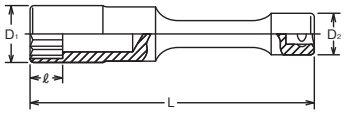
Socket Set on Rail
Juego de Vasos en Regleta

| RS3430M/6 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| | **5, 6, 7, 8, 10, 12** | 470 |



## 3117M-125 · -250

Extension Deep Sockets
Vasos con Alargadera

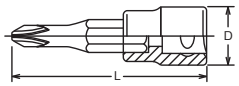



| 3117M.125 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **10** | 14.5 | 18 | 10 | 125 | 121 | 1 |
| **11** | 16 | 18 | 11 | 125 | 133 | 1 |
| **12** | 17 | 18 | 12 | 125 | 133 | 1 |
| **13** | 18 | 18 | 13 | 125 | 134 | 1 |
| **14** | 19.5 | 18 | 14 | 125 | 145 | 1 |
| **17** | 23.5 | 18 | 17 | 125 | 178 | 1 |
| **19** | 25 | 18 | 19 | 125 | 187 | 1 |
| **21** | 27 | 18 | 21 | 125 | 195 | 1 |
| **22** | 29 | 18 | 22 | 125 | 214 | 1 |

| 3117M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **10** | 14.5 | 18 | 10 | 250 | 233 | 1 |
| **11** | 16 | 18 | 11 | 250 | 241 | 1 |
| **12** | 17 | 18 | 12 | 250 | 246 | 1 |
| **13** | 18 | 18 | 13 | 250 | 249 | 1 |
| **14** | 19.5 | 18 | 14 | 250 | 262 | 1 |
| **17** | 23.5 | 18 | 17 | 250 | 289 | 1 |
| **19** | 25 | 18 | 19 | 250 | 298 | 1 |
| **21** | 27 | 18 | 21 | 250 | 302 | 1 |
| **22** | 29 | 18 | 22 | 250 | 325 | 1 |

## 3000-60 (PH)

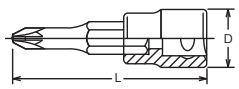
Phillips Bit Sockets
Vasos con Punta Phillips




| 3000 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 18 | 60 | 49 | 10 |
| **2** | 18 | 60 | 49 | 10 |
| **3** | 18 | 60 | 49 | 10 |
| **4** | 18 | 60 | 50 | 10 |

## 3000-50 (PZ)

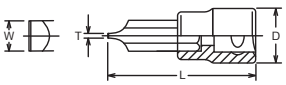
PZ Bit Sockets
Vasos con Punta PZ




| 3000.50 (PZ) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **PZ1** | 18 | 50 | 50 | 10 |
| **PZ2** | 18 | 50 | 50 | 10 |
| **PZ3** | 18 | 50 | 50 | 10 |

## 3005-60

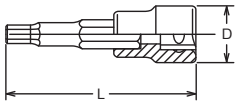
Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

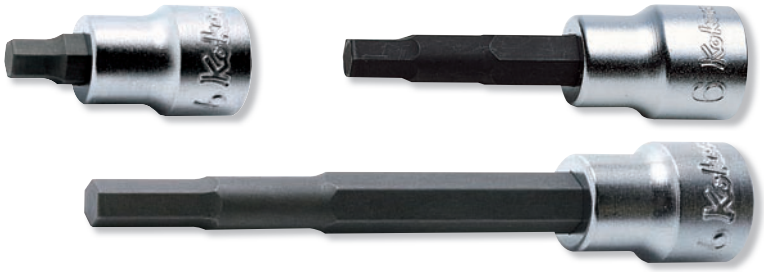



| 3005 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5** | 1.0× 5.5 | 18 | 60 | 47 | 10 |
| **8** | 1.2× 8 | 18 | 60 | 49 | 10 |
| **10** | 1.6×10 | 20 | 60 | 85 | 10 |

## 3010M-38 · -62 · -100 · -160

Inhex Bit Sockets
Vasos con Punta Hexagonal



| 3010M.38 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 18 | 38 | 27 | 10 |
| 4 | 18 | 38 | 28 | 10 |
| 5 | 18 | 38 | 30 | 10 |
| 6 | 18 | 38 | 31 | 10 |
| 7 | 18 | 38 | 32 | 10 |
| 8 | 18 | 38 | 33 | 10 |
| New 9 | 20 | 38 | 47 | 10 |
| 10 | 20 | 38 | 48 | 10 |
| New 11 | 20 | 38 | 59 | 10 |
| 12 | 20 | 38 | 60 | 10 |
| 13 | 22 | 38 | 76 | 10 |
| 14 | 22 | 38 | 78 | 10 |

| 3010M.62 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 18 | 62 | 43 | 10 |
| 4 | 18 | 62 | 45 | 10 |
| 5 | 18 | 62 | 48 | 10 |
| 6 | 18 | 62 | 49 | 10 |
| 7 | 18 | 62 | 50 | 10 |
| 8 | 18 | 62 | 62 | 10 |
| New 9 | 20 | 62 | 75 | 10 |
| 10 | 20 | 62 | 76 | 10 |
| New 11 | 20 | 62 | 92 | 10 |
| 12 | 20 | 62 | 94 | 10 |
| 13 | 22 | 62 | 107 | 10 |
| 14 | 22 | 62 | 109 | 10 |

| 3010M.100 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 18 | 100 | 58 | 10 |
| 4 | 18 | 100 | 60 | 10 |
| 5 | 18 | 100 | 63 | 10 |
| 6 | 18 | 100 | 64 | 10 |
| 7 | 18 | 100 | 66 | 10 |
| 8 | 18 | 100 | 69 | 10 |
| New 9 | 20 | 100 | 100 | 10 |
| 10 | 20 | 100 | 102 | 10 |
| New 11 | 20 | 100 | 129 | 10 |
| 12 | 20 | 100 | 131 | 10 |
| 13 | 22 | 100 | 158 | 5 |
| 14 | 22 | 100 | 160 | 5 |

| 3010M.160 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 18 | 160 | 84 | 10 |
| 4 | 18 | 160 | 86 | 10 |
| 5 | 18 | 160 | 89 | 10 |
| 6 | 18 | 160 | 90 | 10 |
| 7 | 18 | 160 | 92 | 10 |
| 8 | 18 | 160 | 95 | 10 |
| New 9 | 20 | 160 | 125 | 10 |
| 10 | 20 | 160 | 128 | 10 |
| New 11 | 20 | 160 | 153 | 10 |
| 12 | 20 | 160 | 157 | 10 |
| 13 | 22 | 160 | 237 | 5 |
| 14 | 22 | 160 | 239 | 5 |

| RS3010M/8-L38 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 3, 4, 5, 6, 7, 8, 10, 12 | | 322 |

| RS3010M/8-L62 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 3, 4, 5, 6, 7, 8, 10, 12 | | 490 |

| RS3010M/8-L100 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 3, 4, 5, 6, 7, 8, 10, 12 | | 645 |

## RS3010M/8-L38
## RS3010M/8-L62
## RS3010M/8-L100

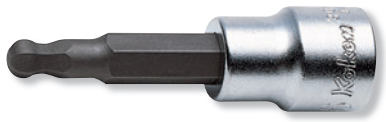
Socket Set on Rail
Juego de Vasos en Regleta

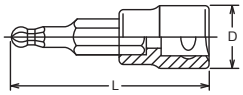
| | Phillips (PH) | PZ | Slotted | HEX | HEX (ball point) | Triple Square (XZN) | TORX® (T) | TORX® (TH) | TORXplus® (IP) | Penta-Lobe (PR) | Ribe-CV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/4" | No.2000 series | No.2000(PZ) series | No.2005 series | No.2010M/A series | No.2011M series | No.2020 series | No.2025 series | No.2025(TH) series | No.2025(IP) series | No.2025(PR) series | — |
| 3/8" | No.3000 No.3001 series | No.3000(PZ) series | No.3005 No.3006 series | No.3010M No.3012M/A No.3015M series | No.3011M series | No.3020 series | No.3025 series | No.3025(TH) series | No.3025(IP) series | No.3025(PR) series | No.3027 series |
| 1/2" | No.4000 No.4001 series | No.4000(PZ) series | No.4005 No.4006 series | No.4010M No.4012M/A series | — | No.4020 series | No.4025 series | — | No.4025(IP) series | — | No.4027 series |

# Hand Sockets 3/8”

## 3011M-62 · -100 · -120 · -160

Ballpoint Inhex Sockets
Vasos con Punta de Bola Inhex






| 3011M.62 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 62 | 45 | 10 |
| **4** | 18 | 62 | 46 | 10 |
| **5** | 18 | 62 | 48 | 10 |
| **6** | 18 | 62 | 49 | 10 |
| **7** | 18 | 62 | 50 | 10 |
| **8** | 18 | 62 | 51 | 10 |

| 3011M.100 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 100 | 61 | 10 |
| **4** | 18 | 100 | 62 | 10 |
| **5** | 18 | 100 | 64 | 10 |
| **6** | 18 | 100 | 65 | 10 |
| **7** | 18 | 100 | 67 | 10 |
| **8** | 18 | 100 | 68 | 10 |

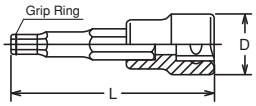
| 3011M.120 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 120 | 77 | 10 |
| **4** | 18 | 120 | 78 | 10 |
| **5** | 18 | 120 | 80 | 10 |
| **6** | 18 | 120 | 81 | 10 |
| **7** | 18 | 120 | 83 | 10 |
| **8** | 18 | 120 | 84 | 10 |

| 3011M.160 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 160 | 87 | 10 |
| **4** | 18 | 160 | 88 | 10 |
| **5** | 18 | 160 | 89 | 10 |
| **6** | 18 | 160 | 91 | 10 |
| **7** | 18 | 160 | 93 | 10 |
| **8** | 18 | 160 | 95 | 10 |

Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

## 3015M-62 · -100

Inhex Bit Sockets, Grip Ring
Vasos con Punta Hexagonal, Grip Ring



| 3015M.62 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 62 | 43 | 10 |
| **4** | 18 | 62 | 45 | 10 |
| **5** | 18 | 62 | 50 | 10 |
| **6** | 18 | 62 | 50 | 10 |
| **7** | 18 | 62 | 50 | 10 |
| **8** | 18 | 62 | 62 | 10 |
| **10** | 20 | 62 | 75 | 10 |
| **12** | 20 | 62 | 95 | 10 |

| 3015M.100 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 18 | 100 | 60 | 10 |
| **4** | 18 | 100 | 60 | 10 |
| **5** | 18 | 100 | 65 | 10 |
| **6** | 18 | 100 | 65 | 10 |
| **7** | 18 | 100 | 70 | 10 |
| **8** | 18 | 100 | 70 | 10 |
| **10** | 20 | 100 | 105 | 10 |
| **12** | 20 | 100 | 135 | 10 |

Grip Ring holds hex screws

## RS3015M/8-L62
## RS3015M/8-L100

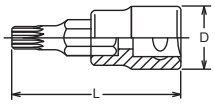
Socket Set on Rail
Juego de Vasos en Regleta

| RS3015M/8-L62 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **3, 4, 5, 6, 7, 8, 10, 12** | | 500 |

| RS3015M/8-L100 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **3, 4, 5, 6, 7, 8, 10, 12** | | 650 |

## 3020-38 · -50 · -100 · -120

XZN Bit Sockets
Vasos con punta XZN




| 3020.38 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 18 | 38 | 32 | 10 |
| **M 6** | 18 | 38 | 33 | 10 |
| **M 8** | 18 | 38 | 36 | 10 |
| **M10** | 20 | 38 | 51 | 10 |
| **M12** | 20 | 38 | 52 | 10 |
| **M14** | 22 | 38 | 74 | 10 |

| 3020.50 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 4** | 18 | 50 | 35 | 10 |
| **M 5** | 18 | 50 | 37 | 10 |
| **M 6** | 18 | 50 | 39 | 10 |
| **M 8** | 18 | 50 | 40 | 10 |
| **M10** | 20 | 50 | 65 | 10 |
| **M12** | 20 | 50 | 69 | 10 |
| **M14** | 22 | 50 | 75 | 10 |

| 3020.100 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 4** | 18 | 100 | 57 | 10 |
| **M 5** | 18 | 100 | 59 | 10 |
| **M 6** | 18 | 100 | 61 | 10 |
| **M 8** | 18 | 100 | 62 | 10 |
| **M10** | 20 | 100 | 99 | 10 |
| **M12** | 20 | 100 | 103 | 10 |
| **M14** | 22 | 100 | 145 | 5 |

| 3020.120 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 4** | 18 | 120 | 77 | 10 |
| **M 5** | 18 | 120 | 79 | 10 |
| **M 6** | 18 | 120 | 81 | 10 |
| **M 8** | 18 | 120 | 82 | 10 |
| **M10** | 20 | 120 | 119 | 10 |
| **M12** | 20 | 120 | 123 | 10 |
| **M14** | 22 | 120 | 165 | 5 |

### XZN

| XZN | | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 |
|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.60 | 4.80 | 6.00 | 7.20 | 9.60 | 11.41 | 13.22 | 15.63 | 16.85 |

## RS3020/6-L38

Socket Set on Rail
Juego de Vasos en Regleta

| RS3020/6-L38 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **M5, M6, M8, M10, M12, M14** | | 308 |

## RS3020/7-L50

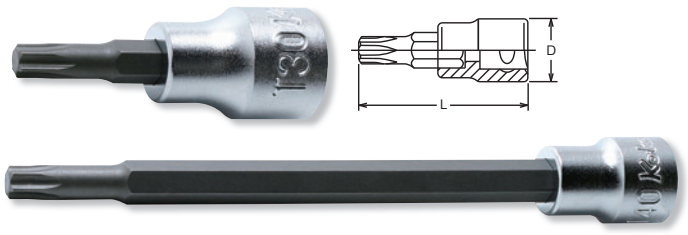
Socket Set on Rail
Juego de Vasos en Regleta

| RS3020/7-L50 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **M4, M5, M6, M8, M10, M12, M14** | | 400 |

# Hand Sockets 3/8”

## 3025-38 · -50 · -140 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

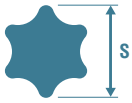



| 3025.38 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T 9 | 18 | 38 | 32 | 10 |
| T10 | 18 | 38 | 32 | 10 |
| T15 | 18 | 38 | 33 | 10 |
| T20 | 18 | 38 | 33 | 10 |
| T25 | 18 | 38 | 33 | 10 |
| T27 | 18 | 38 | 33 | 10 |
| T30 | 18 | 38 | 33 | 10 |
| T40 | 18 | 38 | 34 | 10 |
| T45 | 18 | 38 | 37 | 10 |
| T50 | 20 | 38 | 49 | 10 |
| T55 | 20 | 38 | 57 | 10 |

| 3025.50 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T 9 | 18 | 50 | 36 | 10 |
| T10 | 18 | 50 | 36 | 10 |
| T15 | 18 | 50 | 36 | 10 |
| T20 | 18 | 50 | 36 | 10 |
| T25 | 18 | 50 | 37 | 10 |
| T27 | 18 | 50 | 37 | 10 |
| T30 | 18 | 50 | 38 | 10 |
| T40 | 18 | 50 | 39 | 10 |
| T45 | 18 | 50 | 41 | 10 |
| T50 | 20 | 50 | 55 | 10 |
| T55 | 20 | 50 | 67 | 10 |

| 3025.140 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T 9 | 18 | 140 | 75 | 10 |
| T10 | 18 | 140 | 75 | 10 |
| T15 | 18 | 140 | 75 | 10 |
| T20 | 18 | 140 | 75 | 10 |
| T25 | 18 | 140 | 76 | 10 |
| T27 | 18 | 140 | 76 | 10 |
| T30 | 18 | 140 | 77 | 10 |
| T40 | 18 | 140 | 78 | 10 |
| T45 | 18 | 140 | 80 | 10 |
| T50 | 20 | 140 | 94 | 10 |
| T55 | 20 | 140 | 106 | 10 |

TORX®
(T)




| T | | T8 | T9 | T10 | T15 | T20 | T25 | T27 | T30 | T40 | T45 | T50 | T55 | T60 | T70 | T80 | T90 | T100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.30 | 2.48 | 2.72 | 3.26 | 3.84 | 4.40 | 4.96 | 5.49 | 6.60 | 7.77 | 8.79 | 11.17 | 13.20 | 15.49 | 17.51 | 19.88 | 22.09 |

## RS3025/8-L38
## RS3025/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/8-L38 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| T10, T15, T20, T25, T27, T30, T40, T45 | | 300 |

| RS3025/8-L50 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| T10, T15, T20, T25, T27, T30, T40, T45 | | 320 |

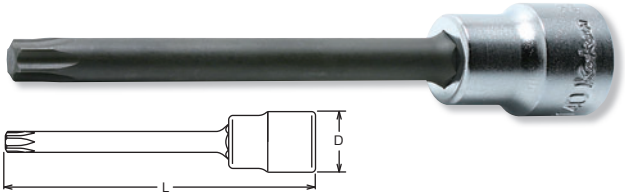
## 3025-50-T35

Bit Socket
Vasos con Punta

| | 3025.50 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | T35 | 18 | 50 | 39 | 10 |

## 3025-100R (T)

TORX® Bit Sockets, Round Shaft
Vasos con Punta TORX®




| 3025.100R (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T20 | 18 | 100 | 38 | 10 |
| T25 | 18 | 100 | 40 | 10 |
| T27 | 18 | 100 | 42 | 10 |
| T30 | 18 | 100 | 45 | 10 |
| T40 | 18 | 100 | 52 | 10 |
| T45 | 18 | 100 | 73 | 10 |
| T50 | 20 | 100 | 80 | 10 |
| T55 | 20 | 100 | 106 | 10 |

## RS3025/8-L100R

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/8-L100R | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| T20, T25, T27, T30, T40, T45, T50, T55 | | 490 |



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## 3025-50 · -160 (TH)

Tamper-Resistant TORX® Bit Sockets
Vasos con Punta TORX® Indeformable

| 3025.50 (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10H** | 18 | 50 | 37 | 10 |
| **T15H** | 18 | 50 | 38 | 10 |
| **T20H** | 18 | 50 | 38 | 10 |
| **T25H** | 18 | 50 | 38 | 10 |
| **T27H** | 18 | 50 | 38 | 10 |
| **T30H** | 18 | 50 | 39 | 10 |
| **T40H** | 18 | 50 | 40 | 10 |
| **T45H** | 18 | 50 | 41 | 10 |
| **T50H** | 20 | 50 | 61 | 10 |
| **T55H** | 20 | 50 | 61 | 10 |

Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.

| 3025.160 (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T25H** | 18 | 160 | 83 | 10 |
| **T27H** | 18 | 160 | 83 | 10 |
| **T30H** | 18 | 160 | 84 | 10 |
| **T40H** | 18 | 160 | 85 | 10 |
| **T45H** | 18 | 160 | 86 | 10 |
| **T50H** | 20 | 160 | 128 | 10 |
| **T55H** | 20 | 160 | 128 | 10 |

## RS3025/9-HOLE

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/9-HOLE | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H** | | 405 |

## 3247

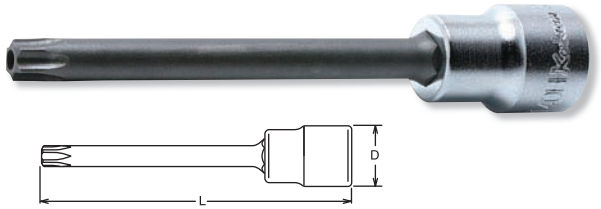
Bit Socket Set
Juego de Vasos con Punta

| 3247 | 4 Pieces Set/=385g |
|---|---|
| PLASTIC BAG | |
| Sockets | |
| **3025.160** Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H | |

## 3025-100R (TH)

Tamper-Resistant TORX® Bit Sockets, Round Shaft
Vasos con Punta TORX® Indeformable

| 3025.100R (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T20H** | 18 | 100 | 38 | 10 |
| **T25H** | 18 | 100 | 40 | 10 |
| **T27H** | 18 | 100 | 42 | 10 |
| **T30H** | 18 | 100 | 45 | 10 |
| **T40H** | 18 | 100 | 52 | 10 |
| **T45H** | 18 | 100 | 73 | 10 |
| **T50H** | 20 | 100 | 80 | 10 |
| **T55H** | 20 | 100 | 106 | 10 |




## RS3025/8-L100RH

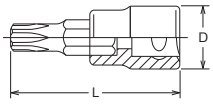
Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/8-L100RH | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H** | | 490 |

# Hand Sockets 3/8”

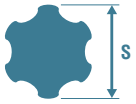
## 3025-50 (IP)

TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®




| 3025.50 (IP) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 10IP | 18 | 50 | 38 | 10 |
| 15IP | 18 | 50 | 38 | 10 |
| 20IP | 18 | 50 | 38 | 10 |
| 25IP | 18 | 50 | 38 | 10 |
| 27IP | 18 | 50 | 40 | 10 |
| 30IP | 18 | 50 | 40 | 10 |
| 40IP | 18 | 50 | 41 | 10 |
| 45IP | 18 | 50 | 41 | 10 |
| 50IP | 20 | 50 | 61 | 10 |
| 55IP | 20 | 50 | 61 | 10 |

### TORXplus® (IP)




| IP | | 8IP | 9IP | 10IP | 15IP | 20IP | 25IP | 27IP | 30IP | 40IP | 45IP | 50IP | 55IP | 60IP | 70IP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.29 | 2.48 | 2.72 | 3.25 | 3.84 | 4.39 | 4.95 | 5.49 | 6.60 | 7.77 | 8.79 | 11.16 | 13.20 | 15.49 |

## RS3025/8-IP

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/8-IP | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP | | 370 |

## RSX025/11-IP

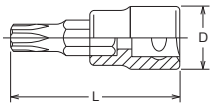
Socket Set on Rail
Juego de Vasos en Regleta

| RSX025/11-IP | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 2025.28(IP) | 10IP, 15IP, 20IP, 25IP, 27IP | 480 |
| 3025.50(IP) | 30IP, 40IP, 45IP, 50IP | |
| 4025.60(IP) | 55IP, 60IP | |

1/4" + 3/8" + 1/2"

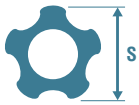
## 3025-50 (PR)

Penta-Lobe Bit Sockets, with hole
Vasos con Punta de Cinco Lóbulos, con agujero




| 3025.50 (PR) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 10PR | 18 | 50 | 38 | 10 |
| 15PR | 18 | 50 | 38 | 10 |
| 20PR | 18 | 50 | 38 | 10 |
| 25PR | 18 | 50 | 38 | 10 |
| 27PR | 18 | 50 | 40 | 10 |
| 30PR | 18 | 50 | 40 | 10 |
| 40PR | 18 | 50 | 41 | 10 |
| 45PR | 18 | 50 | 41 | 10 |
| 50PR | 20 | 50 | 61 | 10 |
| 55PR | 20 | 50 | 61 | 10 |

### Penta-Lobe (PR)




| PR | | 8PR | 9PR | 10PR | 15PR | 20PR | 25PR | 27PR | 30PR | 40PR | 45PR | 50PR | 55PR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.19 | 2.36 | 2.58 | 3.10 | 3.64 | 4.12 | 4.71 | 5.23 | 6.30 | 7.38 | 8.35 | 10.63 |

## RS3025/9-PR

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025/9-PR | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 10PR, 15PR, 20PR, 25PR, 27PR, 30PR, 40PR, 45PR, 50PR | | 395 |

## RSX025/11-PR

Socket Set on Rail
Juego de Vasos en Regleta

| RSX025/11-PR | 11 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| 2025.28(PR) | 8PR, 10PR, 15PR, 20PR, 25PR, 27PR, 30PR | 320 |
| 3025.50(PR) | 40PR, 45PR, 50PR, 55PR | |

1/4" + 3/8"

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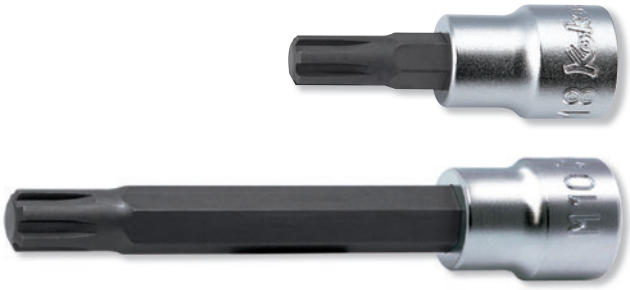
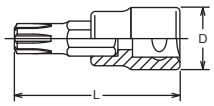
## 3027-50 · -100

Bit Sockets for Ribe Screws
Vasos con Punta Ribe

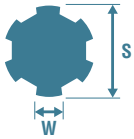





| 3027.50 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 18 | 50 | 38 | 10 |
| **M 6** | 18 | 50 | 38 | 10 |
| **M 7** | 18 | 50 | 38 | 10 |
| **M 8** | 18 | 50 | 39 | 10 |
| **M 9** | 20 | 50 | 40 | 10 |
| **M10** | 20 | 50 | 40 | 10 |
| **M12** | 20 | 50 | 41 | 10 |

| 3027.100 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 18 | 100 | 40 | 10 |
| **M 6** | 18 | 100 | 42 | 10 |
| **M 8** | 18 | 100 | 45 | 10 |
| **M10** | 20 | 100 | 52 | 10 |
| **M12** | 20 | 100 | 73 | 10 |

### Ribe CV




| CV | | M5 | M6 | M7 | M8 | M9 | M10 | M12 | M13 | M14 | M16 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 13 | 14 | 16 |
| W | (ref. mm) | 1.1 | 1.3 | 1.4 | 1.7 | 1.9 | 2.2 | 2.6 | 3.0 | 3.1 | 3.5 |

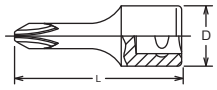
## RS3027/5-L50

Socket Set on Rail
Juego de Vasos en Regleta

| RS3027/5-L50 | 5 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **M5, M6, M8, M10, M12** | | 240 |

## 3001

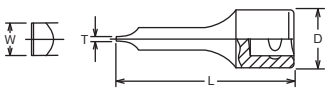
Phillips Bit Sockets
Vasos con Punta Phillips




| 3001 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2** | 18 | 60 | 38 | 10 |
| **3** | 18 | 60 | 38 | 10 |
| **4** | 18 | 60 | 38 | 10 |

## 3006

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



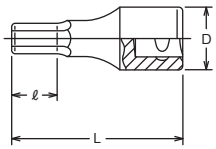

| 3006 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5** | 1.0× 5 | 18 | 60 | 35 | 10 |
| **8** | 1.2× 8 | 18 | 60 | 42 | 10 |
| **10** | 1.6×10 | 20 | 60 | 50 | 10 |

⚠ 3001, 3006 are for hand use only.
Do not use with a power or impact wrench.

# Hand Sockets 3/8”

## 3012M-52 · -62 · -75
## 3012A -52 · -62 · -75

Inhex Sockets
Vasos con Punta de Hexagonal




3012M/A are for hand use only.
Do not use with a power or impact wrench.

| 3012M.52 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3** | 18 | 10 | 52 | 35 | 10 |
| **4** | 18 | 15.5 | 52 | 38 | 10 |
| **5** | 18 | 15.5 | 52 | 40 | 10 |
| **6** | 18 | 15.5 | 52 | 42 | 10 |
| **7** | 18 | 15.5 | 52 | 46 | 10 |
| **8** | 18.5 | 15.5 | 52 | 50 | 10 |
| **9** | 18.5 | 15.5 | 52 | 55 | 10 |
| **10** | 20 | 15.5 | 52 | 66 | 10 |
| **11** | 20 | 15.5 | 52 | 72 | 10 |
| **12** | 20 | 15.5 | 52 | 77 | 10 |
| **13** | 20 | 15.5 | 52 | 82 | 10 |
| **14** | 20 | 15.5 | 52 | 89 | 10 |

| 3012A.52 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/8** | 18 | 10 | 52 | 35 | 10 |
| **5/32** | 18 | 15.5 | 52 | 38 | 10 |
| **3/16** | 18 | 15.5 | 52 | 40 | 10 |
| **7/32** | 18 | 15.5 | 52 | 42 | 10 |
| **1/4** | 18 | 15.5 | 52 | 44 | 10 |
| **9/32** | 18 | 15.5 | 52 | 46 | 10 |
| **5/16** | 18.5 | 15.5 | 52 | 50 | 10 |
| **11/32** | 18.5 | 15.5 | 52 | 55 | 10 |
| **3/8** | 20 | 15.5 | 52 | 65 | 10 |
| **7/16** | 20 | 15.5 | 52 | 72 | 10 |
| **1/2** | 20 | 15.5 | 52 | 82 | 10 |
| **9/16** | 20 | 15.5 | 52 | 89 | 10 |

| 3012M.62 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3** | 18 | 10 | 62 | 38 | 10 |
| **4** | 18 | 15.5 | 62 | 40 | 10 |
| **5** | 18 | 15.5 | 62 | 43 | 10 |
| **6** | 18 | 15.5 | 62 | 46 | 10 |
| **7** | 18 | 15.5 | 62 | 53 | 10 |
| **8** | 18.5 | 15.5 | 62 | 58 | 10 |
| **9** | 18.5 | 15.5 | 62 | 63 | 10 |
| **10** | 20 | 15.5 | 62 | 77 | 10 |
| **11** | 20 | 15.5 | 62 | 83 | 10 |
| **12** | 20 | 15.5 | 62 | 90 | 10 |
| **13** | 20 | 15.5 | 62 | 95 | 10 |
| **14** | 20 | 15.5 | 62 | 109 | 10 |

| 3012A.62 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/8** | 18 | 10 | 62 | 38 | 10 |
| **5/32** | 18 | 15.5 | 62 | 40 | 10 |
| **3/16** | 18 | 15.5 | 62 | 43 | 10 |
| **7/32** | 18 | 15.5 | 62 | 46 | 10 |
| **1/4** | 18 | 15.5 | 62 | 48 | 10 |
| **9/32** | 18 | 15.5 | 62 | 53 | 10 |
| **5/16** | 18.5 | 15.5 | 62 | 58 | 10 |
| **11/32** | 18.5 | 15.5 | 62 | 63 | 10 |
| **3/8** | 20 | 15.5 | 62 | 73 | 10 |
| **7/16** | 20 | 15.5 | 62 | 83 | 10 |
| **1/2** | 20 | 15.5 | 62 | 95 | 10 |
| **9/16** | 20 | 15.5 | 62 | 109 | 10 |

| 3012M.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3** | 18 | 10 | 75 | 41 | 10 |
| **4** | 18 | 15.5 | 75 | 43 | 10 |
| **5** | 18 | 15.5 | 75 | 48 | 10 |
| **6** | 18 | 15.5 | 75 | 53 | 10 |
| **7** | 18 | 15.5 | 75 | 58 | 10 |
| **8** | 18.5 | 15.5 | 75 | 72 | 10 |
| **9** | 18.5 | 15.5 | 75 | 92 | 10 |
| **10** | 20 | 15.5 | 75 | 114 | 10 |
| **11** | 20 | 15.5 | 75 | 120 | 10 |
| **12** | 20 | 15.5 | 75 | 127 | 10 |
| **13** | 20 | 15.5 | 75 | 132 | 10 |
| **14** | 20 | 15.5 | 75 | 146 | 10 |

| 3012A.75 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/8** | 18 | 10 | 75 | 41 | 10 |
| **5/32** | 18 | 15.5 | 75 | 43 | 10 |
| **3/16** | 18 | 15.5 | 75 | 48 | 10 |
| **7/32** | 18 | 15.5 | 75 | 53 | 10 |
| **1/4** | 18 | 15.5 | 75 | 53 | 10 |
| **9/32** | 18 | 15.5 | 75 | 58 | 10 |
| **5/16** | 18.5 | 15.5 | 75 | 72 | 10 |
| **11/32** | 18.5 | 15.5 | 75 | 92 | 10 |
| **3/8** | 20 | 15.5 | 75 | 110 | 10 |
| **7/16** | 20 | 15.5 | 75 | 120 | 10 |
| **1/2** | 20 | 15.5 | 75 | 132 | 10 |
| **9/16** | 20 | 15.5 | 75 | 146 | 10 |

## RS3012M/8-L52
## RS3012A /8-L52

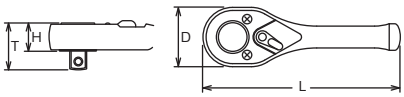
Socket Set on Rail
Juego de Vasos en Regleta

| RS3012M/8-L52 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **3, 4, 5, 6, 7, 8, 10, 12** | | 394 |

| RS3012A/8-L52 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2** | | 425 |

## 2749PS-3/8

Reversible Ratchet Short
Llave de Carraca Reversible Corta




S.O.D.H-System 24

* Renewal Kits → **2749RK-3/8** ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2749PS-3/8** | 25 | 21.9 | 11.2 | 75 | 70 | 10 |

## 2749N-3/8

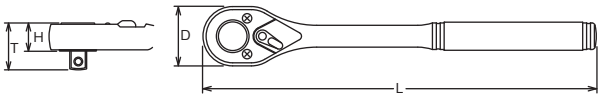
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System 24

* Renewal Kits → **2749RK-3/8** ➡P276

## 2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible




S.O.D.H-System 24

* Renewal Kits → **2749RK-3/8** ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2749N-3/8** | 25 | 21.9 | 11.2 | 125 | 104 | 10 |
| **2749P-3/8** | 25 | 21.9 | 11.2 | 125 | 101 | 10 |

⚠ 2749-3/8 series have less strength compared with normal 3/8" ratchet due to the technical design. Make sure to use the ratchet correctly.

## 3749S

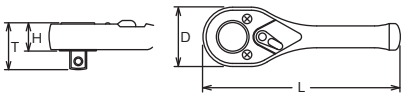
Reversible Ratchet Short
Llave de Carraca Reversible Corta

S.O.D.H-System Two-Step Dog 24

* Renewal Kits → **3749RK** ➡P276

## 3749SB

Reversible Ratchet with quick release button Short
Llave de Carraca Reversible con botón de extracción rápida Corta




S.O.D.H-System Two-Step Dog 24 Quick Release

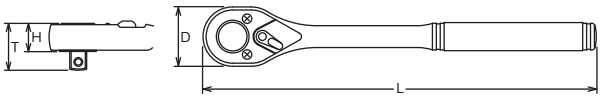
* Renewal Kits → **3749BRK** ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3749S** | 34 | 24.8 | 14.1 | 110 | 183 | 5 |
| **3749SB** | 34 | 24.8 | 14.1 | 110 | 183 | 5 |

⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 3749N

Reversible Ratchet
Llave de Carraca Reversible




S.O.D.H-System Two-Step Dog 24

* Renewal Kits → **3749RK** ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **3749N** | 34 | 24.8 | 14.1 | 200 | 340 | 1 |

# Hand Sockets 3/8”

## 3752N Reversible Ratchet
Llave de Carraca Reversible

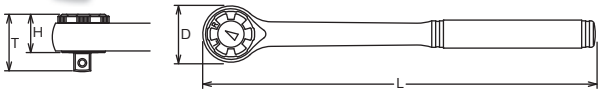
L/R Marking 45

* Renewal Kits → 3752RK ➡P276

## 3752J Reversible Ratchet
Llave de Carraca Reversible

L/R Marking 45

* Renewal Kits → 3752RK ➡P276




### [L/R Marking]

A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L = Izquierda / R = Derecha) indican el sentido de giro.
El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **3752N** | 33 | 34.3 | 23.9 | 200 | 310 | 1 |
| **3752J** | 33 | 34.3 | 23.9 | 200 | 310 | 1 |

## 3776N Swivel Head Ratchet
Llave de Carraca de Cabeza Giratoria

Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P276

## 3776P Swivel Head Ratchet
Llave de Carraca de Cabeza Giratoria

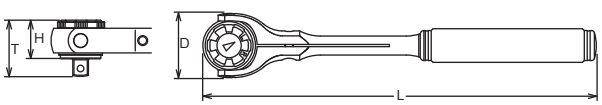
Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P276

## 3776J Swivel Head Ratchet
Llave de Carraca de Cabeza Giratoria

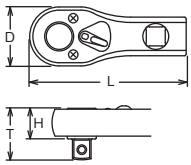
Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **3776N** | 44 | 34.3 | 23.9 | 280 | 565 | 1 |
| **3776P** | 44 | 34.3 | 23.9 | 280 | 560 | 1 |
| **3776J** | 44 | 34.3 | 23.9 | 280 | 510 | 1 |

## 3753SM
Multi Purpose Ratchet, Reversible
Llave de Carraca de Aplicación General, Reversible



S.D.D.H-System | 2 Two-Step Dog | 24

* Renewal Kits → 3753RK ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3753SM | 30.5 | 26.4 | 15.7 | 81 | 175 | 5 |

## 3753N
Reversible Ratchet
Llave de Carraca Reversible

S.D.D.H-System | 2 Two-Step Dog | 24

* Renewal Kits → 3753RK ➡P276

## 3753P
Reversible Ratchet
Llave de Carraca Reversible

S.D.D.H-System | 2 Two-Step Dog | 24

* Renewal Kits → 3753RK ➡P276

## 3753J
Reversible Ratchet
Llave de Carraca Reversible

S.D.D.H-System | 2 Two-Step Dog | 24

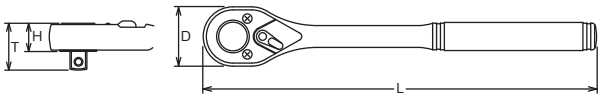
* Renewal Kits → 3753RK ➡P276

## D3753J
Reversible Ratchet
Llave de Carraca Reversible

S.D.D.H-System | 2 Two-Step Dog | 24

* Renewal Kits → 3753RK ➡P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3753N | 30.5 | 26.4 | 15.7 | 200 | 320 | 1 |
| 3753P | 30.5 | 26.4 | 15.7 | 200 | 286 | 1 |
| 3753J | 30.5 | 26.4 | 15.7 | 200 | 260 | 1 |
| D3753J | 30.5 | 26.4 | 15.7 | 200 | 260 | 1 |

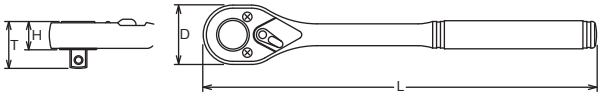



## 3753P-250
Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.D.D.H-System | 2 Two-Step Dog | 24

* Renewal Kits → 3753RK ➡P276

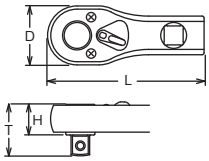
| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3753P-250 | 30.5 | 26.4 | 15.7 | 250 | 335 | 1 |



# Hand Sockets 3/8”

## 3753SMB

Multi Purpose Ratchet with quick release button
Llave de Carraca de Aplicación General, reversible



S.O.D.H-System | 2 Two-Step Dog | 24 | Quick Release

* Renewal Kits → 3753BRK P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3753SMB | 30.5 | 26.4 | 15.7 | 81 | 175 | 5 |

## 3753NB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

S.O.D.H-System | 2 Two-Step Dog | 24 | Quick Release

* Renewal Kits → 3753BRK P276

## 3753PB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

S.O.D.H-System | 2 Two-Step Dog | 24 | Quick Release

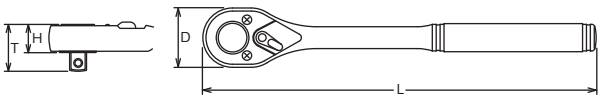
* Renewal Kits → 3753BRK P276

## 3753JB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

S.O.D.H-System | 2 Two-Step Dog | 24 | Quick Release

* Renewal Kits → 3753BRK P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3753NB | 30.5 | 26.4 | 15.7 | 200 | 320 | 1 |
| 3753PB | 30.5 | 26.4 | 15.7 | 200 | 286 | 1 |
| 3753JB | 30.5 | 26.4 | 15.7 | 200 | 260 | 1 |

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 2774PS-3/8

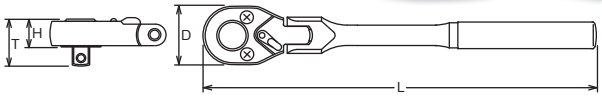
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → **2749RK-3/8** ➡P276

## 2774JS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → **2749RK-3/8** ➡P276



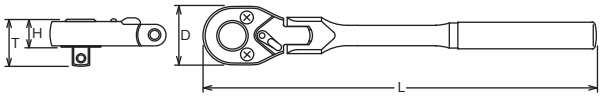

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2774PS-3/8** | 25 | 21.9 | 11.2 | 120 | 133 | 5 |
| **2774JS-3/8** | 25 | 21.9 | 11.2 | 120 | 113 | 5 |

⚠ 2774-3/8 series have less strength compared with normal 3/8" ratchet due to the technical design. Make sure to use the ratchet correctly.

## 3774PS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → **3753RK** ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3774PS** | 30.5 | 26.4 | 15.7 | 175 | 250 | 2 |

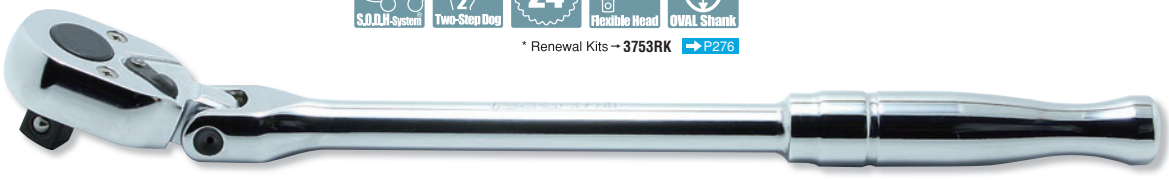
## 3774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → **3753RK** ➡P276

## 3774P

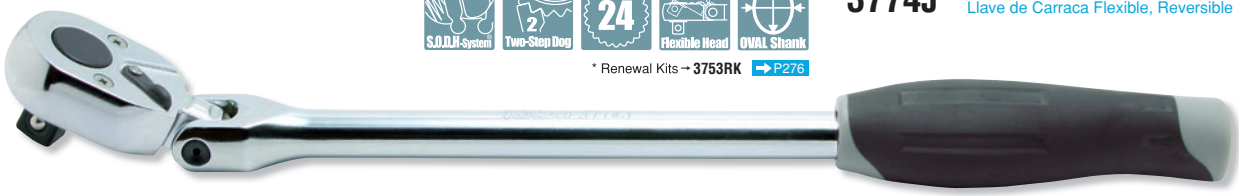
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



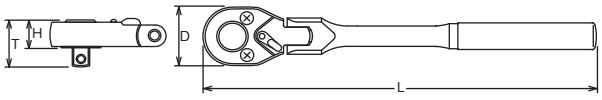
* Renewal Kits → **3753RK** ➡P276

## 3774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → **3753RK** ➡P276



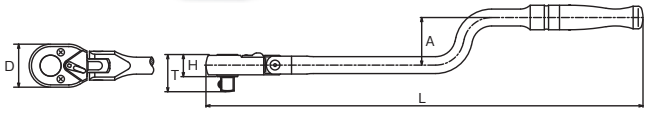

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3774N** | 30.5 | 26.4 | 15.7 | 265 | 378 | 2 |
| **3774P** | 30.5 | 26.4 | 15.7 | 265 | 378 | 2 |
| **3774J** | 30.5 | 26.4 | 15.7 | 285 | 367 | 1 |

# Hand Sockets 3/8”

## 3774P-SR Speeder Ratchet

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head

* Renewal Kits → 3753RK ➡P276




| | D (mm) | T (mm) | H (mm) | A (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| 3774P-SR | 30.5 | 26.4 | 15.7 | 34 | 310 | 435 | 1 |

## 3774NB Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

S.O.D.H.-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

* Renewal Kits → 3753BRK ➡P276

## 3774PB Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

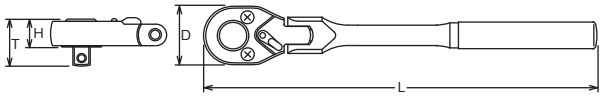
S.O.D.H.-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

* Renewal Kits → 3753BRK ➡P276

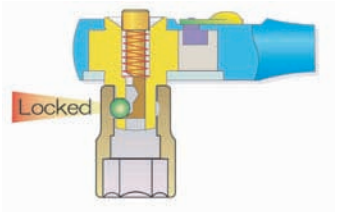
## 3774JB Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

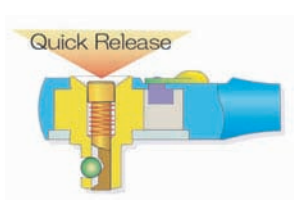
S.O.D.H.-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

* Renewal Kits → 3753BRK ➡P276




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3774NB | 30.5 | 26.4 | 15.7 | 265 | 378 | 2 |
| 3774PB | 30.5 | 26.4 | 15.7 | 265 | 373 | 2 |
| 3774JB | 30.5 | 26.4 | 15.7 | 285 | 367 | 1 |




**Reversible Ratchet with Quick Release Button :**
Sockets and accessories are safely locked.
By pushing the button the sockets or extension bars are released from the ratchet.

**Llave de Carraca Reversible con Botón de Extracción Rápida :** Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.

⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 3774NL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P276

## 3774PL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P276

## 3774JL

Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P276

## 3774JBL

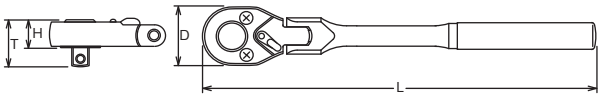
Flex-Head Ratchet with Head Lock Button and Quick Release Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza y Botón de Extracción Rápida

S.O.D.H.-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

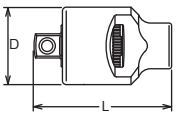
* Renewal Kits → 3753BRK P276

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3774NL | 30.5 | 26.4 | 15.7 | 265 | 378 | 2 |
| 3774PL | 30.5 | 26.4 | 15.7 | 265 | 378 | 2 |
| 3774JL | 30.5 | 26.4 | 15.7 | 285 | 367 | 1 |
| 3774JBL | 30.5 | 26.4 | 15.7 | 285 | 367 | 1 |

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



## 3755 Ratchet Adaptor
Adaptador de carraca

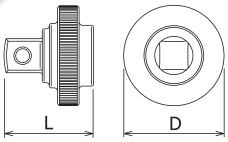



45

* Renewal Kits → 3755RK ➔P278

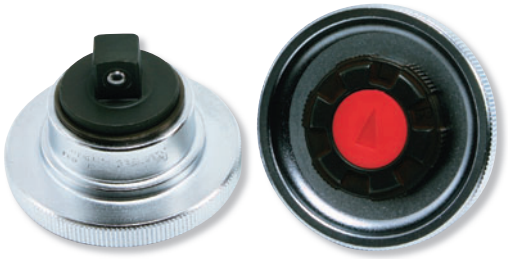
| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3755 | 30.5 | 55 | 146 | 5 |

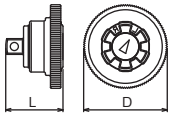
## 3756 Quick Spinner
Disco de Giro Rápido




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3756 | 30.5 | 25.5 | 47 | 10 |

## 3757 Ratchet Wheel
Rueda de carraca





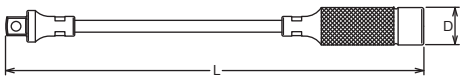

L/R Marking

45

* Renewal Kits → 3752RK ➔P276

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3757 | 50 | 35 | 155 | 5 |

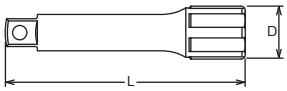
## 3762 Flexible Extension Bar
Alargadera Flexible




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3762 | 19.3 | 300 | 178 | 2 |

# 3760-32 • -50 • -75 • -125 • -150 • -250 • -300 • -400 • -500 • -600 • -900 • -1000

Extension Bars
Alargaderas




| 3760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **32** | 18 | 32 | 27 | 10 |
| **50** | 18 | 50 | 47 | 10 |
| **75** | 18 | 75 | 68 | 10 |
| **125** | 18 | 125 | 106 | 10 |
| **150** | 18 | 150 | 125 | 10 |
| **250** | 18 | 250 | 196 | 5 |
| **300** | 18 | 300 | 291 | 2 |
| **400** | 18 | 400 | 365 | 1 |
| **500** | 18 | 500 | 490 | 1 |
| **600** | 18 | 600 | 538 | 1 |
| **900** | 18 | 900 | 805 | 1 |
| **1000** | 18 | 1000 | 968 | 1 |

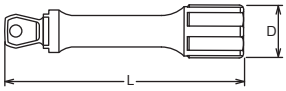
## PK3760/6

Set
Juego

| PK3760/6 | 6 Pieces Set/⚖=670g |
|---|---|
| PLASTIC TRAY | |
| Extension Bars | |
| **3760** Extension Bars<br>32, 50, 75, 125, 150, 250 | |

# 3763-32 • -50 • -75 • -125 • -150 • -250 • -300

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas ⚠




| 3763 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **32** | 18 | 32 | 26 | 10 |
| **50** | 18 | 50 | 42 | 10 |
| **75** | 18 | 75 | 57 | 10 |
| **125** | 18 | 125 | 80 | 10 |
| **150** | 18 | 150 | 98 | 10 |
| **250** | 18 | 250 | 144 | 5 |
| **300** | 18 | 300 | 170 | 2 |

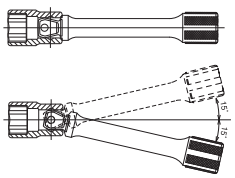
## PK3763/6

Set
Juego

| PK3763/6 | 6 Pieces Set/⚖=560g |
|---|---|
| PLASTIC TRAY | |
| Extension Bars | |
| **3763** Wobble-Fix Extension Bars<br>32, 50, 75, 125, 150, 250 | |

**Wobble-Fix Extension Bar**
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.




⚠ The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

# Hand Sockets 3/8”

## 3768N-175
Hinge Handle
Mango Articulado

OVAL Shank

* Renewal Kits → 3768RK ➡P278

## 3768N-250
Hinge Handle
Mango Articulado

OVAL Shank

* Renewal Kits → 3768RK ➡P278

## 3768P-250
Hinge Handle
Mango Articulado

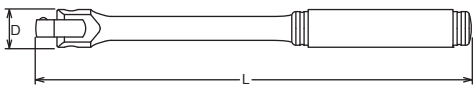
OVAL Shank

* Renewal Kits → 3768RK ➡P278

## 3768J-250
Hinge Handle
Mango Articulado

OVAL Shank

* Renewal Kits → 3768RK ➡P278




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3768N-175** | 20.5 | 175 | 255 | 5 |
| **3768N-250** | 20.5 | 250 | 290 | 5 |
| **3768P-250** | 20.5 | 250 | 275 | 5 |
| **3768J-250** | 20.5 | 250 | 248 | 2 |

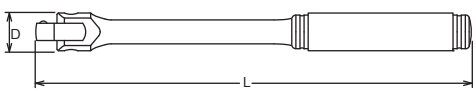
## 3768N-300
Hinge Handle
Mango Articulado ⚠

OVAL Shank

* Renewal Kits → 3768RK ➡P278

## 3768P-380
Hinge Handle
Mango Articulado ⚠

* Renewal Kits → 3768RK ➡P278



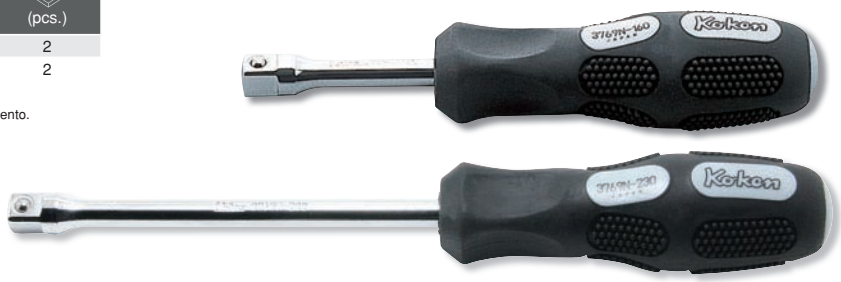

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3768N-300** | 20.5 | 300 | 320 | 2 |
| **3768P-380** | 20.5 | 380 | 435 | 2 |

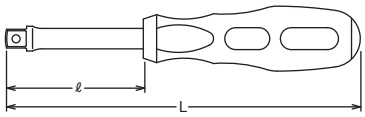
⚠ 3768-300, -380 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## 3769N-160 · -230 Spin Type Handle / Mango Tipo Destornillador

| 3769N | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **160** | 50 | 160 | 96 | 2 |
| **230** | 120 | 230 | 126 | 2 |

Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

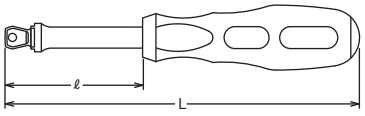



## 3769NWF-160 · -230 Spin Type Handle Wobble-Fix / Mango Tipo Destornillador Articulados-Fijos

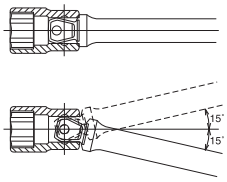
| 3769NWF | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **160** | 50 | 160 | 96 | 2 |
| **230** | 120 | 230 | 126 | 2 |

Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



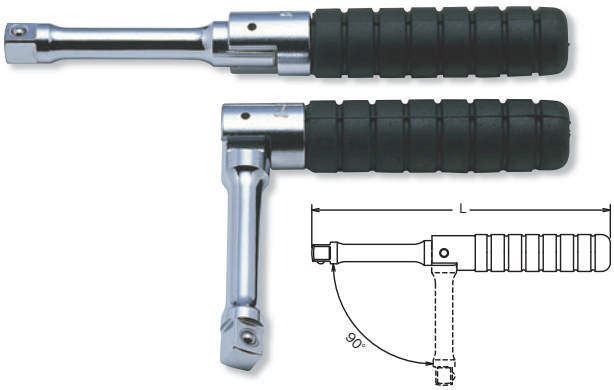

**Wobble-Fix Extension Bar**
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

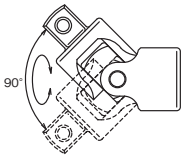


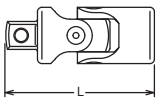

## 3769H Folding Socket Driver / Llave de Vaso Plegable

| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3769H** | 170 | 210 | 2 |

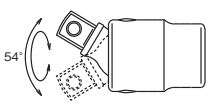


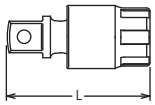

## 3770 Universal Joint / Articulación Universal



## 3771 Universal Joint / Articulación Universal

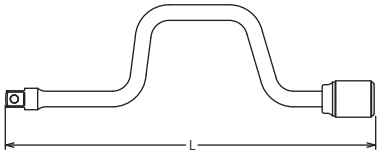


| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3770** | 50 | 66 | 10 |
| **3771** | 43 | 46 | 10 |

# Hand Sockets 3/8”

## 3780 Speed Handle / Manivela Rápida

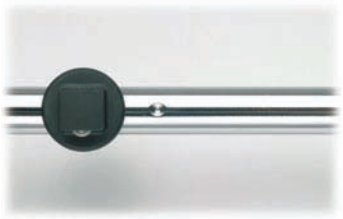


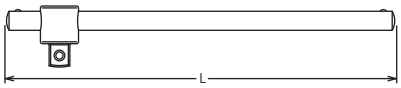

| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| **3780** | 400 | 432 | 1 |

## 3785 T-Handle / Mango Corredizo

OVAL Shank

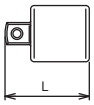
Innovative Oval shaped bar provides higher durability and stops the sliding square part turning around the bar.



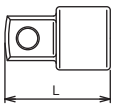



| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3785** | 200 | 157 | 5 |

## 3322A Adaptor / Adaptador — Warranty 86Nm / Garantía 86Nm




## 3344A Adaptor / Adaptador




| | 凹 (sq) | 凸 (sq) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3322A** | 3/8" | 1/4" | 24 | 18 | 10 |
| **3344A** | 3/8" | 1/2" | 30 | 35 | 10 |

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

## PK2346/6 Set / Juego

| | | | | |
|---|---|---|---|---|
| 2233A | 1/4" X 3/8" | | | |
| 3322A | 3/8" X 1/4" | Warranty/Garantia | 86Nm | |
| 3344A | 3/8" X 1/2" | | | |
| 4433A | 1/2" X 3/8" | Warranty/Garantia | 290Nm | |
| 4466A | 1/2" X 3/4" | | | |
| 6644A | 3/4" X 1/2" | Warranty/Garantia | 668Nm | |

| PK2346/6 | 6 Pieces Set/=460g |
|---|---|
| PLASTIC TRAY | |
| Adaptors | |
| 1/4"凹→3/8"凸 2233A | 3/8"凹→1/4"凸 3322A |
| 3/8"凹→1/2"凸 3344A | 1/2"凹→3/8"凸 4433A-35 |
| 1/2"凹→3/4"凸 4466A | 3/4"凹→1/2"凸 6644A |

## 3200M · 3200A Socket Sets / Juegos de Vasos

### 3200M — 18 Pieces Set/=2,250g

METAL CASE:W415×H120×T50mm

| Sockets | Accessories |
|---|---|
| **3400M** 6-pt. Sockets 6, 8, 9, 10, 11, 12 | 3753N |
| **3405M** 12-pt. Sockets 13, 14, 17, 18, 19, 21 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3769N-160 |
| | 3785 |

### 3200A — 18 Pieces Set/=2,250g

METAL CASE:W415×H120×T50mm

| Sockets | Accessories |
|---|---|
| **3400A** 6-pt. Sockets 1/4, 5/16, 3/8, 7/16 | 3753N |
| **3405A** 12-pt. Sockets 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3769N-160 |
| | 3785 |

## 3201AMW Socket Set / Juego de Vasos

### 3201AMW — 42 Pieces Set/=4,700g

METAL CASE:W445×H190×T50mm

| Sockets | Accessories |
|---|---|
| **3405M** 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 | 3753N |
| **3405A** 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8 | 3760-75 |
| **3405W** 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3769N-160 |
| | 3770 |
| | 3780 |
| | 3785 |
| | 3344A |

## 3206M Socket Set / Juego de Vasos

### 3206M — 21 Pieces Set/=2,100g

METAL CASE:W395×H90×T50mm

| Sockets | Accessories |
|---|---|
| **3400M** 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12 | 3753N |
| **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3785 |

## 3206A Socket Set / Juego de Vasos

### 3206A — 17 Pieces Set/=2,000g

METAL CASE:W395×H90×T50mm

| Sockets | Accessories |
|---|---|
| **3400A** 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16 | 3753N |
| **3405A** 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3785 |

## 3206AM Socket Set / Juego de Vasos

### 3206AM — 27 Pieces Set/=3,500g

METAL CASE:W445×H190×T50mm

| Sockets | Accessories |
|---|---|
| **3405M** 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22 | 3753N |
| **3405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8,11/16, 3/4, 13/16, 7/8 | 3760-125 |
| **3300C** Spark Plug Socket 20.8 | 3760-250 |
| | 3768N-250 |
| | 3770 |

# Hand Sockets 3/8”

## 3210M
Socket Set
Juego de Vasos

| 3210M | 22 Pieces Set/⚖=2,900g |
|---|---|
| METAL CASE:W395×H90×T50mm | |
| **Sockets** | **Accessories** |
| **3400M** 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12 | 3753N |
| **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22 | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3770 |
| | 3785 |

## 3215M · 3215A
Socket Sets
Juegos de Vasos

| 3215M | 7 Pieces Set/⚖=430g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **3305M** 12-pt. Deep Sockets 8, 10, 11, 12, 13, 14, 17 | |

| 3215A | 7 Pieces Set/⚖=430g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **3305A** 12-pt. Deep Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 | |

## 3217M
Socket Set
Juego de Vasos

| 3217M | 14 Pieces Set/⚖=850g |
|---|---|
| METAL CASE:W163×H52×T33mm | |
| **Sockets** | |
| **3405M** 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 | |

## 3220M
Socket Set
Juego de Vasos

| 3220M | 14 Pieces Set/⚖=2,270g |
|---|---|
| METAL CASE:W415×H120×T50mm | |
| **Sockets** | **Accessories** |
| **3405M** 12-pt. Sockets 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22 | 3753N |
| | 3760-125 |
| | 3768N-250 |

## 3221M
Socket Set
Juego de Vasos

| 3221M | 18 Pieces Set/⚖=2,300g |
|---|---|
| METAL CASE:W395×H90×T50mm | |
| **Sockets** | **Accessories** |
| **3405M** 12-pt. Sockets 6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22 | 3753N |
| | 3760-125 |
| | 3760-250 |
| | 3768N-250 |
| | 3769N-160 |
| | 3785 |

## 3244
Socket Set
Juego de Vasos

| 3244 | 12 Pieces Set/⚖=1,110g |
|---|---|
| METAL CASE:W240×H100×T32mm | |
| **Sockets** | **Accessories** |
| **3025.50** TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50 | 3753N |
| **3425** TORX® Sockets E8, E10, E12 | 3760-75 |

## 3240M-00
## 3240M-05

Display Stands
Expositores

| 3240M-00 / 3240M-05 | 3400M 67 Pieces Set/=2,800g<br>3405M 67 Pieces Set/=2,800g |
|---|---|

DISPLAY STAND:W410×H160×T500mm

| Sockets | | |
|---|---|---|
| 6mm:4pcs | 12mm:4pcs | 18mm:4pcs |
| 7mm:4pcs | 13mm:4pcs | 19mm:3pcs |
| 8mm:4pcs | 14mm:4pcs | 20mm:3pcs |
| 9mm:4pcs | 15mm:4pcs | 21mm:3pcs |
| 10mm:4pcs | 16mm:4pcs | 22mm:3pcs |
| 11mm:4pcs | 17mm:4pcs | 23mm:3pcs |

## S3240M-00 · S3240A-00
## S3240M-05 · S3240A-05

Display Stands
Expositores

| S3240M-00 / S3240M-05 | 3400M 177 Pieces Set/=10,300g<br>3405M 177 Pieces Set/=10,300g |
|---|---|

DISPLAY STAND:W510×H150×T230mm

| Sockets | | |
|---|---|---|
| 6mm:12pcs | 12mm:12pcs | 18mm:8pcs |
| 7mm:12pcs | 13mm:11pcs | 19mm:8pcs |
| 8mm:12pcs | 14mm:11pcs | 20mm:7pcs |
| 9mm:12pcs | 15mm:10pcs | 21mm:7pcs |
| 10mm:12pcs | 16mm: 9pcs | 22mm:7pcs |
| 11mm:12pcs | 17mm: 9pcs | 23mm:6pcs |

| S3240A-00 / S3240A-05 | 3400A 126 Pieces Set/=8,500g<br>3405A 126 Pieces Set/=8,500g |
|---|---|

DISPLAY STAND:W510×H150×T230mm

| Sockets | | |
|---|---|---|
| 1/4" :12pcs | 9/16":10pcs | 25/32":7pcs |
| 5/16":12pcs | 19/32":10pcs | 13/16":7pcs |
| 3/8" :12pcs | 5/8" : 9pcs | 7/8" :7pcs |
| 7/16":12pcs | 11/16": 9pcs | |
| 1/2" :11pcs | 3/4" : 8pcs | |

## 3250M

Socket Set
Juego de Vasos

| 3250M | 17 Pieces Set/=2,200g |
|---|---|

METAL CASE:W415×H120×T50mm

| Sockets | Accessories |
|---|---|
| **3400M** 6-pt. Sockets<br>7, 8, 10, 11, 12, 13,<br>14, 15, 16, 17, 18, 19 | 3753N<br>3760-125<br>3760-250<br>3770<br>3785 |

## 3252M

Socket Set
Juego de Vasos

| 3252M | 15 Pieces Set/=1,530g |
|---|---|

METAL CASE:W310×H90×T48mm

| Sockets | Accessories |
|---|---|
| **3400M** 6-pt. Sockets<br>5.5, 7, 8, 10, 11, 12<br>**3405M** 12-pt. Sockets<br>13, 14, 17, 19, 22 | 3753P<br>3760-75<br>3760-125<br>3770 |

## P3262M-6P

Socket Set
Juego de Vasos

| P3262M-6P | 11 Pieces Set/=1,140g |
|---|---|

PLASTIC CASE:W245×H120×T45mm

| Sockets | Accessories |
|---|---|
| **3400M** 6-pt. Sockets<br>8, 10, 12, 13, 14, 17, 19 | 3753N<br>3760-75<br>3760-125<br>3770 |

# Hand Sockets 3/8”

## 3275 Socket Set / Juego de Vasos

| 3275 | 24 Pieces Set/⚖=3,150g |
|---|---|
| METAL CASE:W400×H147×T50mm | |
| **Sockets** | **Accessories** |
| **3400M** 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12 | **3753N** |
| **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22 | **3760-125** |
| **3300C** Spark Plug Sockets 16, 20.8 | **3760-250** |
| | **3768N-250** |
| | **3770** |
| | **3756** |

## 3276 Bit Socket Set / Juego de Vasos con Punta

| 3276 | 20 Pieces Set/⚖=3,370g |
|---|---|
| METAL CASE:W310×H150×T50mm | |
| **Sockets** | **Accessories** |
| **3000** Bit Sockets 2, 3 | **3753N** |
| **3005** Bit Sockets 5, 8 | **3763-125** |
| **3010M.62** Hex Bit Sockets 5, 6, 7, 8, 10 | |
| **3025.50** TORX®Bit Sockets T10, T15, T20, T25, T27, T30, T40, T45, T50 | |

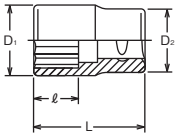
## 3277 Socket Set / Juego de Vasos

| 3277 | 29 Pieces Set/⚖=3,240g |
|---|---|
| METAL CASE:W370×H150×T50mm | |
| **Sockets** | **Accessories** |
| **3400M** 6-pt. Sockets 8, 9, 10, 11, 12 | **3753N** |
| **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21 | **3760-125** |
| **3300M** 6-pt. Deep Sockets 8, 9, 10, 11, 12 | **3768N-250** |
| **3305M** 12-pt. Deep Sockets 13, 14, 15, 16, 17, 18, 19, 21 | |

## 3279AM Socket Set / Juego de Vasos

| 3279AM | 35 Pieces Set/⚖=4,200g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| **Sockets** | **Accessories** |
| **3405M** 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 | **3753N** |
| **3405A** 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8 | **3760-75** |
| **3300S** Spark Plug Sockets 16, 20.8 | **3760-125** |
| | **3760-250** |
| | **3768N-250** |
| | **3769N-160** |
| | **3770** |
| | **3785** |

## 4400M · 4400A 6-Point Sockets / Vasos Hexagonales




| | 4400M 4405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | 6 | 10.3 | 21 | 6 | 36 | 42 | 10 |
| New | 7 | 11.5 | 21 | 7 | 36 | 43 | 10 |
| | 8 | 13.2 | 21 | 8 | 36 | 44 | 10 |
| | 9 | 13.8 | 21 | 8.5 | 37 | 44 | 10 |
| | 10 | 15.3 | 21 | 9 | 37 | 45 | 10 |
| | 11 | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| | 12 | 17.8 | 21 | 10 | 37 | 47 | 10 |
| | 13 | 19 | 22 | 10.5 | 37 | 53 | 10 |
| | 14 | 20.3 | 22 | 11 | 37 | 56 | 10 |
| | 15 | 21.5 | 22 | 11.5 | 37 | 57 | 10 |
| | 16 | 22.8 | 22 | 12 | 37 | 62 | 10 |
| | 17 | 24 | 23 | 12.5 | 37 | 69 | 10 |
| | 18 | 25 | 24 | 13 | 37 | 74 | 10 |
| | 19 | 26.5 | 25 | 14 | 38 | 89 | 10 |
| | 20 | 27.8 | 26 | 15 | 38 | 92 | 10 |
| | 21 | 29 | 27 | 15.5 | 38 | 102 | 10 |
| | 22 | 30 | 28 | 16 | 40 | 113 | 10 |
| | 23 | 31.5 | 29 | 16.5 | 40 | 128 | 10 |
| | 24 | 32.8 | 30 | 17 | 42 | 140 | 5 |
| | 25 | 34 | 31 | 18 | 42 | 164 | 5 |
| | 26 | 35 | 32 | 19 | 42 | 165 | 5 |
| | 27 | 36.5 | 33 | 19.5 | 43 | 182 | 5 |
| | 28 | 37.8 | 34 | 20 | 43 | 198 | 5 |
| | 29 | 39 | 35 | 20.5 | 43 | 205 | 5 |
| | 30 | 40 | 36 | 22 | 46 | 222 | 5 |
| | 31 | 41.5 | 37 | 22.5 | 46 | 246 | 5 |
| | 32 | 42.8 | 38 | 23 | 46 | 261 | 5 |
| | 33 | 44.2 | 39 | 24 | 47 | 275 | 5 |
| | 34 | 45.2 | 40 | 24 | 47 | 315 | 5 |
| | 35 | 46.2 | 40 | 24 | 47 | 317 | 5 |
| | 36 | 47.2 | 41 | 24 | 47 | 336 | 5 |
| New | 37 | 48.3 | 42 | 24 | 47 | 360 | 5 |
| | 38 | 49.2 | 43 | 24 | 47 | 380 | 5 |
| New | 41 | 53.1 | 45 | 29 | 57 | 471 | 5 |
| New | 46 | 59.1 | 48 | 32 | 60 | 567 | 2 |

## 4405M · 4405A 12-Point Sockets / Vasos Bihexagonales

| 4400A 4405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 5/16 | 13.2 | 21 | 8 | 36 | 44 | 10 |
| 3/8 | 14.6 | 21 | 9 | 37 | 45 | 10 |
| 7/16 | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| 1/2 | 19 | 22 | 10.5 | 37 | 53 | 10 |
| 9/16 | 20.3 | 22 | 11 | 37 | 56 | 10 |
| 19/32 | 21.5 | 22 | 11.5 | 37 | 57 | 10 |
| 5/8 | 22.8 | 22 | 12 | 37 | 62 | 10 |
| 21/32 | 24 | 23 | 12.5 | 37 | 69 | 10 |
| 11/16 | 25 | 24 | 13 | 37 | 74 | 10 |
| 3/4 | 26.5 | 25 | 14 | 38 | 89 | 10 |
| 25/32 | 27.8 | 26 | 15 | 38 | 92 | 10 |
| 13/16 | 29 | 27 | 15.5 | 38 | 102 | 10 |
| 7/8 | 30 | 28 | 16 | 40 | 113 | 10 |
| 15/16 | 32.8 | 30 | 17 | 42 | 140 | 5 |
| 1 | 35 | 32 | 19 | 42 | 165 | 5 |
| 1. 1/16 | 36.5 | 33 | 19.5 | 43 | 180 | 5 |
| 1. 1/8 | 39 | 35 | 20.5 | 43 | 210 | 5 |
| 1. 3/16 | 40 | 36 | 22 | 46 | 222 | 5 |
| 1. 1/4 | 42.8 | 38 | 23 | 46 | 261 | 5 |
| 1. 5/16 | 44.2 | 39 | 24 | 47 | 275 | 5 |
| 1. 3/8 | 46.2 | 40 | 24 | 47 | 317 | 5 |
| 1. 7/16 | 47.2 | 41 | 24 | 47 | 336 | 5 |
| 1. 1/2 | 49.2 | 43 | 24 | 47 | 380 | 5 |

| RS4400M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 10, 11, 12, 13, 14, 15, 17, 19, 21, 22 | | 717 |

| RS4405M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 10, 11, 12, 13, 14, 15, 17, 19, 21, 22 | | 717 |

| RS4400A/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 | | 809 |

| RS4405A/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 | | 809 |

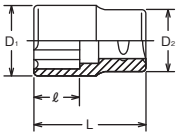
## RS4400M/10 RS4405M/10 Socket Set on Rail / Juego de Vasos en Regleta

## RS4400A/10 RS4405A/10 Socket Set on Rail / Juego de Vasos en Regleta

# Hand Sockets 1/2”

## 4410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)




| 4410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 13.2 | 21 | 8 | 36 | 44 | 10 |
| **9** | 13.8 | 21 | 8.5 | 37 | 44 | 10 |
| **10** | 15.3 | 21 | 9 | 37 | 45 | 10 |
| **11** | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| **12** | 17.8 | 21 | 10 | 37 | 47 | 10 |
| **13** | 19 | 22 | 10.5 | 37 | 53 | 10 |
| **14** | 20.3 | 22 | 11 | 37 | 56 | 10 |
| **15** | 21.5 | 22 | 11.5 | 37 | 52 | 10 |
| **16** | 22.8 | 22 | 12 | 37 | 62 | 10 |
| **17** | 24 | 23 | 12.5 | 37 | 69 | 10 |
| **18** | 25 | 24 | 13 | 37 | 74 | 10 |
| **19** | 26.5 | 25 | 14 | 38 | 89 | 10 |
| **20** | 27.8 | 26 | 15 | 38 | 92 | 10 |
| **21** | 29 | 27 | 15.5 | 38 | 102 | 10 |
| **22** | 30 | 28 | 16 | 40 | 113 | 10 |
| **23** | 31.5 | 29 | 16.5 | 40 | 128 | 10 |
| **24** | 32.8 | 30 | 17 | 42 | 140 | 5 |
| **25** | 34 | 31 | 18 | 42 | 164 | 5 |
| **26** | 35 | 32 | 19 | 42 | 165 | 5 |
| **27** | 36.5 | 33 | 19.5 | 43 | 196 | 5 |
| **28** | 37.8 | 34 | 20 | 43 | 198 | 5 |
| **29** | 39 | 35 | 20.5 | 43 | 190 | 5 |
| **30** | 40 | 36 | 22 | 46 | 222 | 5 |
| **31** | 41.5 | 37 | 22.5 | 46 | 257 | 5 |
| **32** | 42.8 | 38 | 23 | 46 | 250 | 5 |
| **34** | 45.2 | 40 | 24 | 47 | 314 | 5 |

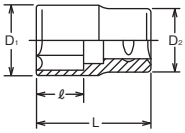
## RS4410M/10

Socket Set on Rail
Juego de Vasos en Regleta

| RS4410M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **10, 11, 12, 13, 14, 15, 17, 19, 21, 22** | | 717 |

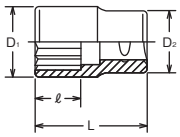
## 4400W

6-point Whitworth Sockets
Vasos Whitworth Hexagonales




## 4405W

12-point Whitworth Sockets
Vasos Whitworth Bihexagonales




| New 4400W 4405W (W) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3/16** | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| **1/4** | 19 | 22 | 10.5 | 37 | 54 | 10 |
| **5/16** | 21.5 | 22 | 11.5 | 37 | 54 | 10 |
| **3/8** | 25 | 24 | 13 | 37 | 73 | 10 |
| **7/16** | 29 | 27 | 15.5 | 38 | 87 | 10 |
| **1/2** | 31.5 | 29 | 16.5 | 40 | 133 | 10 |
| **9/16** | 35 | 32 | 19 | 42 | 165 | 5 |
| **5/8** | 37.8 | 34 | 20 | 43 | 191 | 5 |
| **11/16** | 40 | 36 | 22 | 46 | 222 | 5 |
| **3/4** | 44.2 | 39 | 24 | 47 | 280 | 5 |

## RS4400W/8

Socket Set on Rail
Juego de Vasos en Regleta

## RS4405W/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS4400W/8 | 8 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| New **3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8** | | 860 |

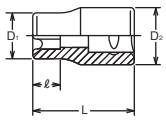
| RS4405W/8 | 8 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| **3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8** | | 860 |

### BS W

| BS W | BS | 3/16BS | 1/4BS | 5/16BS | 3/8BS | 7/16BS | 1/2BS | 9/16BS | 5/8BS | 11/16BS | 3/4BS | 7/8BS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | 1/8W | 3/16W | 1/4W | 5/16W | 3/8W | 7/16W | 1/2W | 9/16W | 5/8W | 11/16W | 3/4W |
| Across Flat | (ref. mm) | 8.64 | 11.30 | 13.34 | 15.24 | 18.03 | 20.83 | 23.37 | 25.65 | 27.94 | 30.48 | 33.35 |

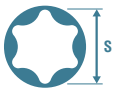
## 4425

TORX® Sockets
Vasos TORX®




| 4425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 8** | 10.7 | 21 | 7 | 36 | 41 | 10 |
| **E10** | 13.2 | 21 | 8.2 | 36 | 44 | 10 |
| **E11** | 13.8 | 21 | 8.7 | 37 | 45 | 10 |
| **E12** | 14.6 | 21 | 9.3 | 37 | 47 | 10 |
| **E14** | 16.5 | 21 | 10.6 | 37 | 48 | 10 |
| **E16** | 19 | 22 | 11.8 | 37 | 57 | 10 |
| **E18** | 20.3 | 22 | 13 | 37 | 57 | 10 |
| **E20** | 22.8 | 22 | 14.4 | 37 | 63 | 10 |
| **E22** | 25 | 24 | 15.5 | 37 | 78 | 10 |
| **E24** | 26.5 | 25 | 17 | 40 | 95 | 5 |

### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## RS4425/7

Socket Set on Rail
Juego de Vasos en Regleta

| RS4425/7 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **E10, E12, E14, E16, E18, E20, E24** | | 428 |



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## 4425-N

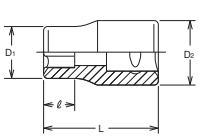
TORX® Sockets
Vasos TORX®

| | 4425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **E10N** | 13.2 | 21 | 8.2 | 36 | 47 | 10 |
| New | **E12N** | 14.6 | 21 | 9.3 | 37 | 48 | 10 |
| New | **E14N** | 16.5 | 21 | 10.6 | 37 | 50 | 10 |
| New | **E16N** | 19 | 22 | 11.8 | 37 | 60 | 10 |
| New | **E18N** | 20.3 | 22 | 13 | 37 | 60 | 10 |
| | **E20N** | 22.8 | 22 | 14.4 | 37 | 65 | 10 |

TORX Socket for Nut and low profile bolt
Shallow Chamfer on Socket Opening

A : Flywheel bolt MR20 NISSAN: 4425-E20N
B : Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N
C : Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

| RS4425/6-N | 6 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| New | **E10N, E12N, E14N, E16N, E18N, E20N** | 370 |



## RS4425/6-N

Socket Set on Rail
Juego de Vasos en Regleta

## 4425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®

| 4425 (EPL) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **10EPL** | 13.2 | 21 | 6.2 | 36 | 45 | 10 |
| **12EPL** | 14.6 | 21 | 7.2 | 37 | 47 | 10 |
| **14EPL** | 16.5 | 21 | 8.1 | 37 | 49 | 10 |
| **16EPL** | 19 | 22 | 9.2 | 37 | 60 | 10 |
| **18EPL** | 20.3 | 22 | 10.2 | 37 | 60 | 10 |
| **20EPL** | 22.9 | 22 | 11.2 | 37 | 65 | 10 |

| RS4425/6-EPL | 6 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **10EPL, 12EPL, 14EPL, 16EPL, 18EPL, 20EPL** | 390 |

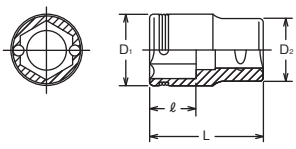
## RS4425/6-EPL

Socket Set on Rail
Juego de Vasos en Regleta

## 4450M

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-Tuercas **Nut Grip®**

| 4450M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **10** | 15.3 | 21 | 6 | 36 | 44 | 10 |
| **11** | 16.5 | 21 | 6.5 | 36 | 46 | 10 |
| **12** | 17.8 | 21 | 7 | 36 | 46 | 10 |
| **13** | 19 | 22 | 8 | 36 | 57 | 10 |
| **14** | 20.3 | 22 | 8.5 | 36 | 54 | 10 |
| **15** | 21.5 | 22 | 9 | 36 | 52 | 10 |
| **16** | 22.8 | 22 | 9 | 36 | 60 | 10 |
| **17** | 24 | 23 | 9.5 | 36 | 68 | 10 |
| **18** | 25 | 24 | 10.5 | 36 | 77 | 10 |
| **19** | 26.5 | 25 | 11.5 | 36 | 85 | 10 |
| **21** | 29 | 27 | 12 | 37 | 110 | 10 |
| **22** | 30 | 28 | 12.5 | 37 | 105 | 10 |
| **24** | 32.8 | 30 | 14.5 | 39 | 130 | 5 |
| **27** | 36.5 | 33 | 16.5 | 40 | 139 | 5 |



## RS4450M/10

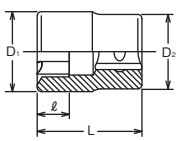
Socket Set on Rail
Juego de Vasos en Regleta

| RS4450M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| | **10, 11, 12, 13, 14, 15, 17, 19, 21, 22** | 717 |

## 4400LH

LHS Sockets
Vasos LHS

| 4400LH (LH-S) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **6S** | 13.2 | 21 | 5.6 | 36 | 44 | 10 |
| **8S** | 16.5 | 21 | 6.8 | 37 | 46 | 10 |
| **10S** | 19 | 22 | 8 | 37 | 53 | 10 |
| **12S** | 22.8 | 22 | 9.2 | 37 | 62 | 10 |
| **14S** | 25 | 24 | 10.4 | 37 | 74 | 10 |
| **16S** | 29 | 27 | 11.6 | 38 | 102 | 10 |



## RS4400LH/6

Socket Set on Rail
Juego de Vasos en Regleta

| RS4400LH/6 | 6 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| | **6S, 8S, 10S, 12S, 14S, 16S** | 430 |



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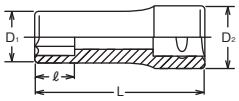
LHSTIX® es una marca registrada de **OSG CORPORATION** System Engineering Department.

## 4300M · 4300A

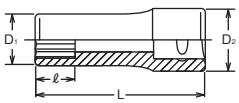
6-Point Deep Sockets
Vasos Hexagonales Largos




| 4300M 4305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 13.2 | 21 | 9 | 77 | 76 | 10 |
| **9** | 13.8 | 21 | 10 | 77 | 82 | 10 |
| **10** | 15.3 | 21 | 11 | 77 | 82 | 10 |
| **11** | 16.5 | 21 | 12 | 77 | 86 | 10 |
| **12** | 17.8 | 21 | 13 | 77 | 92 | 10 |
| **13** | 19 | 21.8 | 14 | 77 | 106 | 10 |
| **14** | 20.3 | 21.8 | 15 | 77 | 115 | 10 |
| **15** | 21.5 | 21.8 | 16 | 77 | 123 | 10 |
| **16** | 22.8 | 22 | 17 | 77 | 141 | 10 |
| **17** | 24 | 23 | 18 | 77 | 139 | 10 |
| **18** | 25 | 24 | 19 | 77 | 149 | 10 |
| **19** | 26.5 | 25 | 20 | 77 | 165 | 10 |
| **20** | 27.8 | 26 | 21 | 77 | 183 | 10 |
| **21** | 29 | 27 | 23 | 77 | 190 | 10 |
| **22** | 30 | 28 | 27 | 77 | 200 | 10 |
| **23** | 31.5 | 29 | 27 | 77 | 233 | 10 |
| **24** | 32.8 | 30 | 27 | 77 | 249 | 10 |
| **25** | 34 | 31 | 27 | 77 | 270 | 10 |
| **26** | 35 | 32 | 27 | 77 | 279 | 10 |
| **27** | 36.5 | 33 | 28 | 77 | 303 | 10 |
| **28** | 37.8 | 34 | 28 | 77 | 331 | 10 |
| **29** | 39 | 35 | 28 | 77 | 357 | 10 |
| **30** | 40 | 36 | 34 | 77 | 342 | 10 |
| **31** | 41.5 | 37 | 34 | 77 | 384 | 10 |
| **32** | 42.8 | 38 | 34 | 77 | 405 | 10 |
| **34** | 45.2 | 40 | 35 | 77 | 442 | 5 |
| **36** | 48 | 43 | 36 | 77 | 484 | 5 |
| New **37** | 48.2 | 42 | 36 | 77 | 475 | 5 |
| New **38** | 49 | 44 | 37 | 77 | 490 | 5 |

## 4305M · 4305A

12-Point Deep Sockets
Vasos Bihexagonales Largos




| 4300A 4305A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5/16** | 13.2 | 21 | 9 | 77 | 76 | 10 |
| **3/8** | 14.6 | 21 | 10 | 77 | 82 | 10 |
| **7/16** | 16.5 | 21 | 12 | 77 | 86 | 10 |
| **1/2** | 19 | 21.8 | 14 | 77 | 106 | 10 |
| **9/16** | 20.3 | 21.8 | 15 | 77 | 115 | 10 |
| **19/32** | 21.5 | 21.8 | 16 | 77 | 123 | 10 |
| **5/8** | 22.8 | 22 | 17 | 77 | 141 | 10 |
| **21/32** | 24 | 23 | 18 | 77 | 139 | 10 |
| **11/16** | 25 | 24 | 19 | 77 | 149 | 10 |
| **3/4** | 26.5 | 25 | 20 | 77 | 165 | 10 |
| **25/32** | 27.8 | 26 | 21 | 77 | 183 | 10 |
| **13/16** | 29 | 27 | 23 | 77 | 190 | 10 |
| **7/8** | 30 | 28 | 27 | 77 | 200 | 10 |
| **15/16** | 32.8 | 30 | 27 | 77 | 249 | 10 |
| **31/32** | 34 | 31 | 27 | 77 | 270 | 10 |
| **1** | 35 | 32 | 27 | 77 | 279 | 10 |
| **1. 1/16** | 36.5 | 33 | 28 | 77 | 303 | 10 |
| **1. 1/8** | 37.8 | 34 | 28 | 77 | 331 | 10 |
| **1. 3/16** | 40 | 36 | 34 | 77 | 342 | 10 |
| **1. 1/4** | 42.8 | 38 | 34 | 77 | 405 | 10 |
| **1. 3/8** | 46.2 | 40 | 35 | 77 | 422 | 5 |
| **1. 7/16** | 48 | 43 | 36 | 77 | 484 | 5 |
| **1. 1/2** | 49 | 44 | 38 | 77 | 523 | 5 |
| **1.13/16** | 59 | 48 | 38 | 77 | 791 | 5 |

## RS4300M/10
## RS4305M/10

Socket Set on Rail
Juego de Vasos en Regleta

## RS4300A/10
## RS4305A/10

Socket Set on Rail
Juego de Vasos en Regleta

| RS4300M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **10, 11, 12, 13, 14, 15, 17, 19, 21, 22** | | 1,415 |

| RS4305M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **10, 11, 12, 13, 14, 15, 17, 19, 21, 22** | | 1,415 |

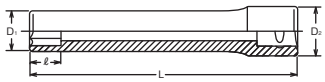
| RS4300A/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16** | | 1,600 |

| RS4305A/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16** | | 1,600 |

## 4300M (L120)

6-Point Extra Deep Sockets
Vasos Hexagonales Extra Largos

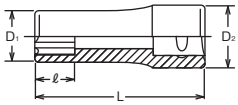
| 4300M(L120) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 8 | 13.2 | 21 | 9 | 120 | 120 | 5 |
| 10 | 15.3 | 21 | 11 | 120 | 138 | 5 |
| 12 | 17.8 | 21 | 13 | 120 | 157 | 5 |
| 14 | 20.3 | 21.8 | 15 | 120 | 193 | 5 |
| 16 | 22.8 | 22 | 17 | 120 | 210 | 5 |

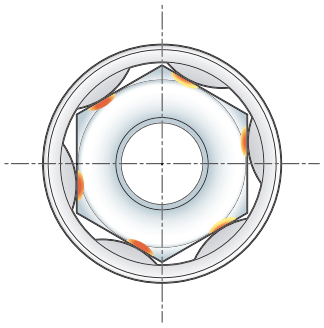



## 4310M

Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos

| 4310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 8 | 13.2 | 21 | 9 | 77 | 79 | 10 |
| 9 | 13.8 | 21 | 10 | 77 | 82 | 10 |
| 10 | 15.3 | 21 | 11 | 77 | 82 | 10 |
| 11 | 16.5 | 21 | 12 | 77 | 86 | 10 |
| 12 | 17.8 | 21 | 13 | 77 | 92 | 10 |
| 13 | 19 | 21.8 | 14 | 77 | 106 | 10 |
| 14 | 20.3 | 21.8 | 15 | 77 | 115 | 10 |
| 15 | 21.5 | 21.8 | 16 | 77 | 123 | 10 |
| 16 | 22.8 | 22 | 17 | 77 | 141 | 10 |
| 17 | 24 | 23 | 18 | 77 | 139 | 10 |
| 18 | 25 | 24 | 19 | 77 | 149 | 10 |
| 19 | 26.5 | 25 | 20 | 77 | 165 | 10 |
| 20 | 27.8 | 26 | 21 | 77 | 183 | 10 |
| 21 | 29 | 27 | 23 | 77 | 190 | 10 |
| 22 | 30 | 28 | 27 | 77 | 200 | 10 |
| 23 | 31.5 | 29 | 27 | 77 | 233 | 10 |
| 24 | 32.8 | 30 | 27 | 77 | 249 | 10 |
| 25 | 34 | 31 | 27 | 77 | 270 | 10 |
| 26 | 35 | 32 | 27 | 77 | 279 | 10 |
| 27 | 36.5 | 33 | 28 | 77 | 303 | 10 |
| 28 | 37.8 | 34 | 28 | 77 | 334 | 10 |
| 29 | 39 | 35 | 28 | 77 | 357 | 10 |
| 30 | 40 | 36 | 34 | 77 | 342 | 10 |
| 31 | 41.5 | 37 | 34 | 77 | 384 | 10 |
| 32 | 42.8 | 38 | 34 | 77 | 405 | 10 |
| 34 | 45.2 | 40 | 35 | 77 | 442 | 5 |



## RS4310M/10

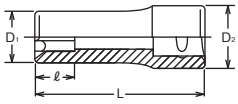
Socket Set on Rail
Juego de Vasos en Regleta

| RS4310M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 10, 11, 12, 13, 14, 15, 17, 19, 21, 22 | | 1,415 |

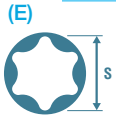
## 4325

TORX® Deep Sockets
Vasos TORX® Largos

| 4325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| E 8 | 10.7 | 21 | 7 | 77 | 68 | 10 |
| E10 | 13.2 | 21 | 8.2 | 77 | 99 | 10 |
| E11 | 13.8 | 21 | 8.7 | 77 | 84 | 10 |
| E12 | 14.6 | 21 | 9.3 | 77 | 99 | 10 |
| E14 | 16.5 | 21 | 10.6 | 77 | 103 | 10 |
| E16 | 19 | 21.8 | 11.8 | 77 | 107 | 10 |
| E18 | 20.3 | 21.8 | 13 | 77 | 118 | 10 |
| E20 | 22.8 | 22 | 14.4 | 77 | 141 | 10 |
| E24 | 26.6 | 25 | 17 | 77 | 215 | 10 |




### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## RS4325/7

Socket Set on Rail
Juego de Vasos en Regleta

| RS4325/7 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| E10, E12, E14, E16, E18, E20, E24 | | 900 |

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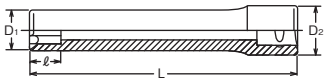
## 4325 (L140)

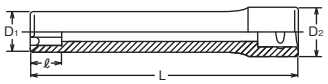
TORX® Extra Deep Sockets
Vasos TORX® Extra Largos




| 4325(L140) (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 8** | 10.7 | 21 | 7 | 140 | 110 | 5 |
| **E10** | 13.2 | 21 | 8.2 | 140 | 140 | 5 |
| **E12** | 14.6 | 21 | 9.3 | 140 | 160 | 5 |
| **E14** | 16.5 | 21 | 10.6 | 140 | 180 | 5 |

## 4325 (L140)-2B

TORX® Extra Deep Sockets, **Nut Grip®**
Vasos TORX® Extra Largos, **Nut Grip®**




### NUT GRIP®

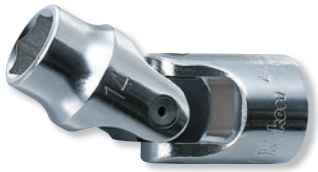
Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

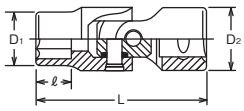
Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

| 4325(L140) (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 8(2B)** | 10.7 | 21 | 7 | 140 | 110 | 5 |
| **E10(2B)** | 13.2 | 21 | 8.2 | 140 | 140 | 5 |
| **E12(2B)** | 14.6 | 21 | 9.3 | 140 | 160 | 5 |
| **E14(2B)** | 16.5 | 21 | 10.6 | 140 | 180 | 5 |

## 4440M · 4440A

6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



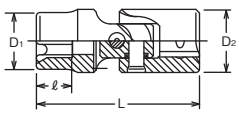



| 4440M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **9** | 14 | 25 | 8.3 | 63 | 150 | 10 |
| **10** | 15.3 | 25 | 8.8 | 63 | 155 | 10 |
| **11** | 16.5 | 25 | 10 | 65 | 158 | 10 |
| **12** | 17.8 | 25 | 10.5 | 65 | 151 | 10 |
| **13** | 19 | 25 | 11.4 | 66 | 152 | 10 |
| **14** | 20.3 | 25 | 11.4 | 66 | 151 | 10 |
| **15** | 21.5 | 25 | 13 | 68 | 149 | 10 |
| **16** | 22.8 | 25 | 13 | 68 | 150 | 10 |
| **17** | 24 | 25 | 14 | 69 | 150 | 10 |
| **18** | 25.3 | 25 | 14 | 69 | 150 | 10 |
| **19** | 26.5 | 25 | 15 | 71 | 170 | 10 |
| **20** | 27.8 | 25 | 15 | 71 | 173 | 5 |
| **21** | 29 | 25 | 16 | 72 | 176 | 5 |
| **22** | 30.3 | 25 | 16 | 72 | 185 | 5 |

| 4440A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3/8** | 14.8 | 25 | 8.8 | 63 | 155 | 10 |
| **7/16** | 16.5 | 25 | 10 | 65 | 158 | 10 |
| **1/2** | 19 | 25 | 11.4 | 66 | 152 | 10 |
| **9/16** | 20.3 | 25 | 11.4 | 66 | 151 | 10 |
| **5/8** | 22.8 | 25 | 13 | 68 | 150 | 10 |
| **11/16** | 24.6 | 25 | 14 | 69 | 153 | 10 |
| **3/4** | 26.5 | 25 | 15 | 71 | 170 | 10 |
| **7/8** | 30.3 | 25 | 16 | 72 | 185 | 5 |

## 4440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal




| 4440T (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E10** | 13.2 | 25 | 8.2 | 62 | 145 | 10 |
| **E12** | 15 | 25 | 9.3 | 63 | 147 | 10 |
| **E14** | 16.3 | 25 | 10.6 | 65 | 148 | 10 |
| **E16** | 18.8 | 25 | 11.8 | 65 | 150 | 10 |
| **E18** | 20.4 | 25 | 13 | 67 | 153 | 10 |



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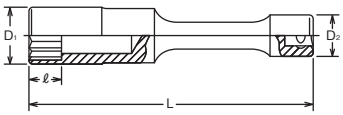
## 4117M-125 · -250

Extension Deep Sockets
Vasos con Alargaderas

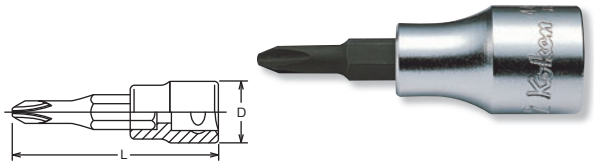


| 4117M.125 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **13** | 18.7 | 24 | 13 | 125 | 213 | 1 |
| **14** | 20.2 | 24 | 14 | 125 | 227 | 1 |
| **17** | 24 | 24 | 17 | 125 | 274 | 1 |
| **19** | 26.9 | 24 | 19 | 125 | 279 | 1 |
| **21** | 28.5 | 24 | 21 | 125 | 291 | 1 |
| **22** | 30 | 24 | 22 | 125 | 323 | 1 |
| **24** | 32 | 24 | 24 | 125 | 361 | 1 |
| **27** | 36.5 | 24 | 27 | 125 | 439 | 1 |
| **30** | 40 | 24 | 30 | 125 | 461 | 1 |
| **32** | 42 | 24 | 32 | 125 | 498 | 1 |

| 4117M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **13** | 18.7 | 24 | 13 | 250 | 412 | 1 |
| **14** | 20.2 | 24 | 14 | 250 | 423 | 1 |
| **17** | 24 | 24 | 17 | 250 | 469 | 1 |
| **19** | 26.9 | 24 | 19 | 250 | 484 | 1 |
| **21** | 28.5 | 24 | 21 | 250 | 496 | 1 |
| **22** | 30 | 24 | 22 | 250 | 516 | 1 |
| **24** | 32 | 24 | 24 | 250 | 560 | 1 |
| **27** | 36.5 | 24 | 27 | 250 | 641 | 1 |
| **30** | 40 | 24 | 30 | 250 | 663 | 1 |
| **32** | 42 | 24 | 32 | 250 | 698 | 1 |

## 4000-60 (PH)

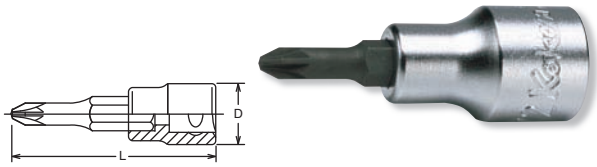
Phillips Bit Sockets
Vasos con Punta Phillips




| 4000 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2** | 22 | 60 | 65 | 10 |
| **3** | 22 | 60 | 65 | 10 |
| **4** | 22 | 60 | 67 | 10 |

## 4000-60 (PZ)

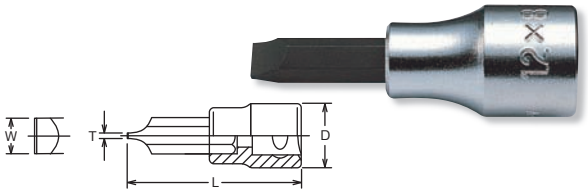
PZ Bit Sockets
Vasos con Punta PZ




| 4000.60 (PZ) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **PZ2** | 22 | 60 | 65 | 10 |
| **PZ3** | 22 | 60 | 65 | 10 |

## 4005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas




| 4005 | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 1.2× 8 | 22 | 60 | 65 | 10 |
| **10** | 1.6×10 | 22 | 60 | 75 | 10 |
| **12** | 2.0×12 | 23 | 60 | 111 | 10 |
| **14** | 2.5×14 | 24 | 60 | 133 | 10 |
| **16** | 2.5×16 | 24 | 60 | 133 | 10 |

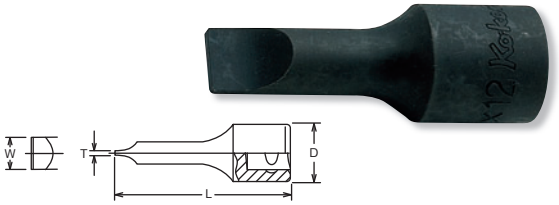
## 4001

Phillips Bit Sockets
Vasos con Punta Phillips

| 4001 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 21 | 60 | 49 | 10 |
| **2** | 21 | 60 | 53 | 10 |
| **3** | 21 | 60 | 55 | 10 |
| **4** | 21 | 60 | 57 | 10 |

## 4006

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas



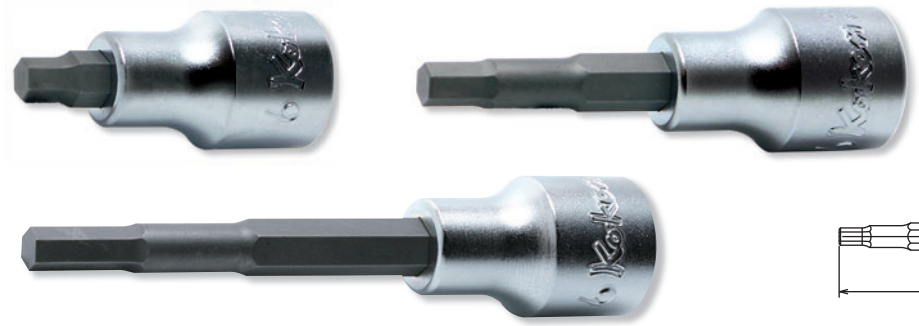

| 4006 | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5** | 1.0× 5.5 | 21 | 60 | 53 | 10 |
| **8** | 1.2× 8 | 21 | 60 | 62 | 10 |
| **10** | 1.6×10 | 21 | 60 | 67 | 10 |
| **12** | 2.0×12 | 21 | 60 | 72 | 10 |
| **14** | 2.5×14 | 21 | 60 | 81 | 10 |
| **16** | 2.5×16 | 21 | 60 | 88 | 10 |

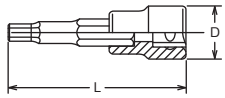
4001, 4006 are for hand use only.
Do not use with an impact wrench.

# Hand Sockets 1/2”

## 4010M-50 · -75 · -100 · -160

Inhex Bit Sockets
Vasos con Punta Hexagonal






| 4010M.50 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 4 | 22 | 50 | 61 | 10 |
| 5 | 22 | 50 | 62 | 10 |
| 6 | 22 | 50 | 64 | 10 |
| 7 | 22 | 50 | 65 | 10 |
| 8 | 22 | 50 | 66 | 10 |
| 10 | 22 | 50 | 75 | 10 |
| 12 | 23 | 50 | 105 | 10 |
| New 13 | 24 | 50 | 120 | 10 |
| 14 | 24 | 50 | 120 | 10 |
| New 16 | 25 | 50 | 150 | 10 |
| 17 | 25 | 50 | 150 | 10 |
| New 18 | 27 | 50 | 200 | 10 |
| 19 | 27 | 50 | 200 | 5 |

| 4010M.75 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 4 | 22 | 75 | 69 | 10 |
| 5 | 22 | 75 | 70 | 10 |
| 6 | 22 | 75 | 72 | 10 |
| 7 | 22 | 75 | 73 | 10 |
| 8 | 22 | 75 | 74 | 10 |
| 10 | 22 | 75 | 92 | 10 |
| 12 | 23 | 75 | 130 | 10 |
| New 13 | 24 | 75 | 150 | 10 |
| 14 | 24 | 75 | 150 | 10 |
| New 16 | 25 | 75 | 180 | 10 |
| 17 | 25 | 75 | 180 | 10 |
| New 18 | 27 | 75 | 230 | 5 |
| 19 | 27 | 75 | 230 | 5 |

| 4010M.100 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 4 | 22 | 100 | 77 | 10 |
| 5 | 22 | 100 | 78 | 10 |
| 6 | 22 | 100 | 80 | 10 |
| 7 | 22 | 100 | 82 | 10 |
| 8 | 22 | 100 | 84 | 10 |
| 10 | 22 | 100 | 109 | 10 |
| 12 | 23 | 100 | 155 | 10 |
| New 13 | 24 | 100 | 180 | 10 |
| 14 | 24 | 100 | 180 | 5 |
| New 16 | 25 | 100 | 250 | 5 |
| 17 | 25 | 100 | 250 | 5 |
| New 18 | 27 | 100 | 300 | 5 |
| 19 | 27 | 100 | 300 | 5 |

| 4010M.160 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 4 | 22 | 160 | 103 | 10 |
| 5 | 22 | 160 | 104 | 10 |
| 6 | 22 | 160 | 106 | 10 |
| 7 | 22 | 160 | 108 | 10 |
| 8 | 22 | 160 | 110 | 10 |
| 10 | 22 | 160 | 126 | 10 |
| 12 | 23 | 160 | 180 | 5 |
| 14 | 24 | 160 | 260 | 5 |
| 17 | 25 | 160 | 360 | 5 |
| 19 | 27 | 160 | 415 | 5 |

## RS4010M/10-L50
## RS4010M/10-L75

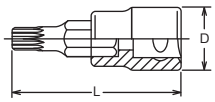
Socket Set on Rail
Juego de Vasos en Regleta

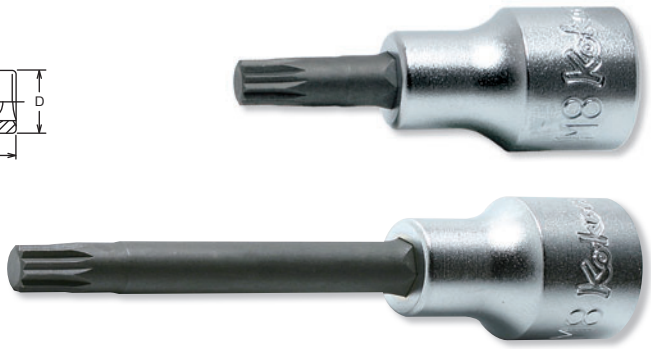
| RS4010M/10-L50 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 4, 5, 6, 7, 8, 10, 12, 14, 17, 19 | | 968 |

| RS4010M/10-L75 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| 4, 5, 6, 7, 8, 10, 12, 14, 17, 19 | | 1,207 |

## 4020-60 · -100 · -120 · -140

XZN Bit Sockets
Vasos con Punta XZN



| 4020.60 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 60 | 60 | 10 |
| **M 6** | 22 | 60 | 61 | 10 |
| **M 8** | 22 | 60 | 63 | 10 |
| **M10** | 23 | 60 | 93 | 10 |
| **M12** | 23 | 60 | 97 | 10 |
| **M14** | 24 | 60 | 105 | 10 |
| **M16** | 25 | 60 | 165 | 10 |
| **M18** | 27 | 60 | 215 | 10 |

| 4020.100 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 100 | 77 | 10 |
| **M 6** | 22 | 100 | 78 | 10 |
| **M 8** | 22 | 100 | 80 | 10 |
| **M10** | 23 | 100 | 132 | 10 |
| **M12** | 23 | 100 | 136 | 10 |
| **M14** | 24 | 100 | 144 | 10 |
| **M16** | 25 | 100 | 250 | 5 |
| **M18** | 27 | 100 | 300 | 5 |

| 4020.120 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 120 | 86 | 10 |
| **M 6** | 22 | 120 | 87 | 10 |
| **M 8** | 22 | 120 | 89 | 10 |
| **M10** | 23 | 120 | 152 | 10 |
| **M12** | 23 | 120 | 156 | 10 |
| **M14** | 24 | 120 | 164 | 10 |

| 4020.140 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 140 | 95 | 10 |
| **M 6** | 22 | 140 | 96 | 10 |
| **M 8** | 22 | 140 | 98 | 10 |
| **M10** | 23 | 140 | 172 | 5 |
| **M12** | 23 | 140 | 176 | 5 |
| **M14** | 24 | 140 | 184 | 5 |

### XZN

| XZN | | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 |
|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.60 | 4.80 | 6.00 | 7.20 | 9.60 | 11.41 | 13.22 | 15.63 | 16.85 |

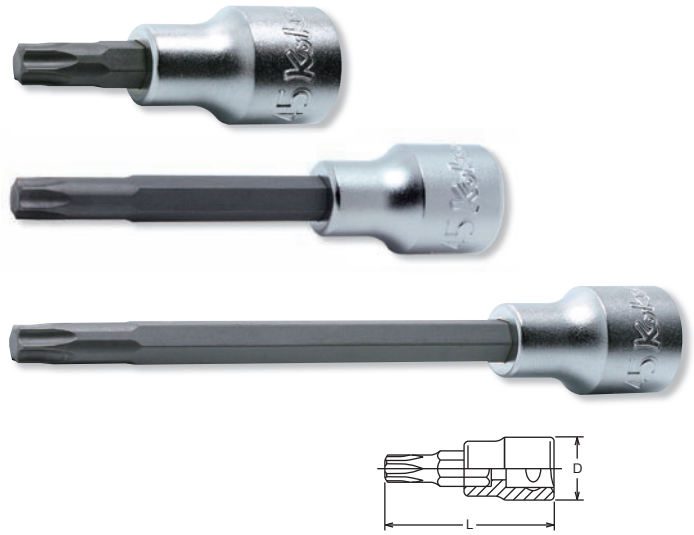
## RS4020/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

| RS4020/6-L60 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **M5, M6, M8, M10, M12, M14** | | 500 |

## 4025-60 · -100 · -140 (T)

TORX® Bit Sockets
Vasos con Punta TORX®



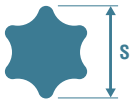



| 4025.60 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T20** | 22 | 60 | 59 | 10 |
| **T25** | 22 | 60 | 60 | 10 |
| **T27** | 22 | 60 | 60 | 10 |
| **T30** | 22 | 60 | 60 | 10 |
| **T40** | 22 | 60 | 62 | 10 |
| **T45** | 22 | 60 | 64 | 10 |
| **T50** | 22 | 60 | 74 | 10 |
| **T55** | 23 | 60 | 96 | 10 |
| **T60** | 24 | 60 | 122 | 10 |
| **T70** | 24 | 60 | 135 | 10 |

| | 4025.100 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **T20** | 22 | 100 | 76 | 10 |
| New | **T25** | 22 | 100 | 76 | 10 |
| New | **T27** | 22 | 100 | 77 | 10 |
| New | **T30** | 22 | 100 | 77 | 10 |
| New | **T40** | 22 | 100 | 78 | 10 |
| New | **T45** | 22 | 100 | 80 | 10 |
| New | **T50** | 22 | 100 | 98 | 10 |
| New | **T55** | 23 | 100 | 132 | 10 |
| New | **T60** | 24 | 100 | 170 | 5 |
| New | **T70** | 24 | 100 | 175 | 5 |

| 4025.140 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T20** | 22 | 140 | 94 | 10 |
| **T25** | 22 | 140 | 95 | 10 |
| **T27** | 22 | 140 | 95 | 10 |
| **T30** | 22 | 140 | 95 | 10 |
| **T40** | 22 | 140 | 97 | 10 |
| **T45** | 22 | 140 | 99 | 10 |
| **T50** | 22 | 140 | 129 | 10 |
| **T55** | 23 | 140 | 175 | 5 |
| **T60** | 24 | 140 | 229 | 5 |
| **T70** | 24 | 140 | 245 | 5 |

TORX®
(T)




| T | | T8 | T9 | T10 | T15 | T20 | T25 | T27 | T30 | T40 | T45 | T50 | T55 | T60 | T70 | T80 | T90 | T100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.30 | 2.48 | 2.72 | 3.26 | 3.84 | 4.40 | 4.96 | 5.49 | 6.60 | 7.77 | 8.79 | 11.17 | 13.20 | 15.49 | 17.51 | 19.88 | 22.09 |

## RS4025/9-L60

Socket Set on Rail
Juego de Vasos en Regleta

| RS4025/9-L60 | 9 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| **T20, T25, T27, T30, T40, T45, T50, T55, T60** | | 700 |

## 4025-60-T35

Bit Socket
Vasos con Punta

| 4025.60 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T35** | 22 | 60 | 96 | 10 |



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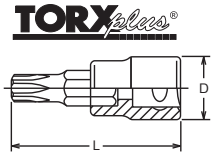
## 4025-60 · -100 (IP)

TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®



| 4025.60 (IP) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **20IP** | 22 | 60 | 60 | 10 |
| **25IP** | 22 | 60 | 60 | 10 |
| **27IP** | 22 | 60 | 60 | 10 |
| **30IP** | 22 | 60 | 60 | 10 |
| **40IP** | 22 | 60 | 60 | 10 |
| **45IP** | 22 | 60 | 64 | 10 |
| **50IP** | 22 | 60 | 74 | 10 |
| **55IP** | 23 | 60 | 96 | 10 |
| **60IP** | 24 | 60 | 122 | 10 |

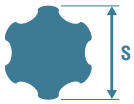
| 4025.100 (IP) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **40IP** | 22 | 100 | 79 | 10 |
| **45IP** | 22 | 100 | 81 | 10 |
| **50IP** | 22 | 100 | 100 | 10 |
| **55IP** | 23 | 100 | 133 | 10 |
| **60IP** | 24 | 100 | 172 | 5 |
| **70IP** | 25 | 100 | 241 | 5 |

| RS4025/9-IP | 9 Pieces set/Rail 250mm | (g) |
|---|---|---|
| **20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP** | | 700 |

## RS4025/9-IP

Socket Set on Rail
Juego de Vasos en Regleta

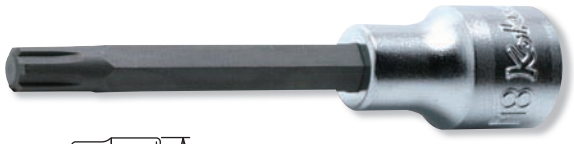
### TORXplus® (IP)

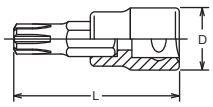



| IP | | 8IP | 9IP | 10IP | 15IP | 20IP | 25IP | 27IP | 30IP | 40IP | 45IP | 50IP | 55IP | 60IP | 70IP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 2.29 | 2.48 | 2.72 | 3.25 | 3.84 | 4.39 | 4.95 | 5.49 | 6.60 | 7.77 | 8.79 | 11.16 | 13.20 | 15.49 |

## 4027-60 · -100 · -140

Bit Sockets for Ribe Screws
Vasos con Punta para Tornillos Ribe






| 4027.60 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 60 | 60 | 10 |
| **M 6** | 22 | 60 | 62 | 10 |
| **M 7** | 22 | 60 | 63 | 10 |
| **M 8** | 22 | 60 | 64 | 10 |
| **M 9** | 22 | 60 | 70 | 10 |
| **M10** | 22 | 60 | 74 | 10 |
| **M12** | 23 | 60 | 96 | 10 |
| **M13** | 24 | 60 | 116 | 10 |
| **M14** | 24 | 60 | 122 | 10 |
| **M16** | 24 | 60 | 135 | 10 |

| 4027.100 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 5** | 22 | 100 | 67 | 10 |
| **M 6** | 22 | 100 | 68 | 10 |
| **M 7** | 22 | 100 | 75 | 10 |
| **M 8** | 22 | 100 | 81 | 10 |
| **M 9** | 22 | 100 | 90 | 10 |
| **M10** | 22 | 100 | 101 | 10 |
| **M12** | 23 | 100 | 134 | 10 |
| **M13** | 24 | 100 | 155 | 5 |
| **M14** | 24 | 100 | 173 | 5 |
| **M16** | 24 | 100 | 241 | 5 |

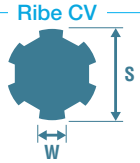
| 4027.140 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **M 8** | 22 | 140 | 98 | 10 |
| **M10** | 22 | 140 | 127 | 5 |
| **M12** | 23 | 140 | 171 | 5 |
| **M14** | 24 | 140 | 226 | 5 |
| **M16** | 24 | 140 | 320 | 5 |

| RS4027/6-L60 | 6 Pieces set/Rail 200mm | (g) |
|---|---|---|
| **M5, M6, M8, M10, M12, M14** | | 600 |

## RS4027/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

### Ribe CV




| CV | | M5 | M6 | M7 | M8 | M9 | M10 | M12 | M13 | M14 | M16 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 13 | 14 | 16 |
| W | (ref. mm) | 1.1 | 1.3 | 1.4 | 1.7 | 1.9 | 2.2 | 2.6 | 3.0 | 3.1 | 3.5 |



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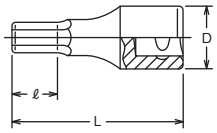
# Hand Sockets 1/2”

## 4012M-43 · -60 · -75 · -100

Inhex sockets
Vasos con Punta de Hexagonal




| 4012M.43 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **4** | 21.1 | 11.5 | 43 | 40 | 10 |
| **5** | 21.1 | 11.5 | 43 | 41 | 10 |
| **6** | 21.1 | 11.5 | 43 | 42 | 10 |
| **7** | 21.1 | 11.5 | 43 | 46 | 10 |
| **8** | 21.1 | 11.5 | 43 | 50 | 10 |
| **9** | 21.1 | 11.5 | 43 | 50 | 10 |
| **10** | 23 | 11.5 | 43 | 63 | 10 |
| **11** | 25 | 11.5 | 43 | 80 | 10 |
| **12** | 25 | 11.5 | 43 | 81 | 10 |
| **13** | 25 | 11.5 | 43 | 85 | 10 |
| **14** | 25 | 11.5 | 43 | 88 | 10 |
| **15** | 26 | 11.5 | 43 | 105 | 10 |
| **16** | 26 | 11.5 | 43 | 110 | 10 |
| **17** | 26 | 11.5 | 43 | 115 | 10 |
| **18** | 26 | 11.5 | 43 | 120 | 10 |
| **19** | 26 | 11.5 | 43 | 125 | 10 |
| **20** | 26 | 11.5 | 43 | 130 | 10 |
| **21** | 26 | 11.5 | 43 | 135 | 10 |
| **22** | 26 | 11.5 | 43 | 145 | 10 |
| **23** | 28 | 11.5 | 43 | 167 | 10 |
| **24** | 28 | 11.5 | 43 | 170 | 10 |
| **27** | 32 | 11.5 | 43 | 226 | 10 |

| 4012M.60 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **4** | 21.1 | 15.5 | 60 | 50 | 10 |
| **5** | 21.1 | 15.5 | 60 | 55 | 10 |
| **6** | 21.1 | 15.5 | 60 | 56 | 10 |
| **7** | 21.1 | 15.5 | 60 | 60 | 10 |
| **8** | 21.1 | 15.5 | 60 | 64 | 10 |
| **9** | 21.1 | 15.5 | 60 | 70 | 10 |
| **10** | 23 | 15.5 | 60 | 90 | 10 |
| **11** | 25 | 15.5 | 60 | 110 | 10 |
| **12** | 25 | 15.5 | 60 | 115 | 10 |
| **13** | 25 | 15.5 | 60 | 120 | 10 |
| **14** | 25 | 15.5 | 60 | 130 | 10 |
| **15** | 26 | 15.5 | 60 | 145 | 10 |
| **16** | 26 | 15.5 | 60 | 155 | 10 |
| **17** | 26 | 15.5 | 60 | 160 | 10 |
| **18** | 26 | 15.5 | 60 | 170 | 10 |
| **19** | 26 | 15.5 | 60 | 180 | 10 |
| **21** | 26 | 15.5 | 60 | 200 | 10 |
| **22** | 26 | 22.5 | 60 | 205 | 10 |
| **23** | 28 | 22.5 | 60 | 230 | 10 |
| **24** | 28 | 22.5 | 60 | 240 | 10 |

| 4012M.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **4** | 21.1 | 15.5 | 75 | 52 | 10 |
| **5** | 21.1 | 15.5 | 75 | 58 | 10 |
| **6** | 21.1 | 15.5 | 75 | 62 | 10 |
| **7** | 21.1 | 15.5 | 75 | 70 | 10 |
| **8** | 21.1 | 15.5 | 75 | 74 | 10 |
| **9** | 21.1 | 15.5 | 75 | 88 | 10 |
| **10** | 23 | 15.5 | 75 | 105 | 10 |
| **11** | 25 | 15.5 | 75 | 130 | 10 |
| **12** | 25 | 15.5 | 75 | 135 | 10 |
| **13** | 25 | 15.5 | 75 | 145 | 10 |
| **14** | 25 | 15.5 | 75 | 160 | 10 |
| **15** | 26 | 15.5 | 75 | 180 | 10 |
| **16** | 26 | 15.5 | 75 | 190 | 10 |
| **17** | 26 | 15.5 | 75 | 200 | 10 |
| **18** | 26 | 15.5 | 75 | 210 | 10 |
| **19** | 26 | 15.5 | 75 | 230 | 10 |

| 4012M.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **4** | 24 | 15.5 | 100 | 95 | 10 |
| **5** | 24 | 15.5 | 100 | 100 | 10 |
| **6** | 24 | 15.5 | 100 | 100 | 10 |
| **7** | 24 | 15.5 | 100 | 105 | 10 |
| **8** | 24 | 15.5 | 100 | 115 | 10 |
| **9** | 24 | 15.5 | 100 | 120 | 10 |
| **10** | 24 | 15.5 | 100 | 140 | 10 |
| **11** | 24 | 15.5 | 100 | 150 | 10 |
| **12** | 24 | 15.5 | 100 | 160 | 10 |
| **13** | 24 | 15.5 | 100 | 175 | 10 |
| **14** | 24 | 15.5 | 100 | 180 | 10 |
| **15** | 24 | 15.5 | 100 | 205 | 10 |
| **16** | 24 | 15.5 | 100 | 235 | 5 |
| **17** | 24 | 15.5 | 100 | 215 | 5 |
| **18** | 24 | 15.5 | 100 | 270 | 5 |
| **19** | 24 | 15.5 | 100 | 255 | 5 |

## RS4012M/10-L60

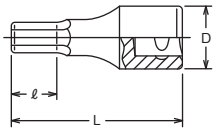
Socket Set on Rail
Juego de Vasos en Regleta

| RS4012M/10-L60 | 10 Pieces set/Rail 300mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 10, 12, 14, 17, 19** | | 910 |

4012M/A are for hand use only.
Do not use with an impact wrench.

## 4012A-43 · -60 · -75 · -100

Inhex sockets
Vasos Inhex



| 4012A.43 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5/32** | 21.1 | 11.5 | 43 | 40 | 10 |
| **3/16** | 21.1 | 11.5 | 43 | 46 | 10 |
| **7/32** | 21.1 | 11.5 | 43 | 46 | 10 |
| **1/4** | 21.1 | 11.5 | 43 | 46 | 10 |
| **9/32** | 21.1 | 11.5 | 43 | 46 | 10 |
| **5/16** | 21.1 | 11.5 | 43 | 49 | 10 |
| **11/32** | 21.1 | 11.5 | 43 | 63 | 10 |
| **3/8** | 23 | 11.5 | 43 | 65 | 10 |
| **7/16** | 25 | 11.5 | 43 | 80 | 10 |
| **1/2** | 25 | 11.5 | 43 | 85 | 10 |
| **9/16** | 25 | 11.5 | 43 | 88 | 10 |
| **5/8** | 26 | 11.5 | 43 | 110 | 10 |
| **3/4** | 26 | 11.5 | 43 | 125 | 10 |

| 4012A.60 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5/32** | 21.1 | 15.5 | 60 | 49 | 10 |
| **3/16** | 21.1 | 15.5 | 60 | 55 | 10 |
| **7/32** | 21.1 | 15.5 | 60 | 56 | 10 |
| **1/4** | 21.1 | 15.5 | 60 | 57 | 10 |
| **9/32** | 21.1 | 15.5 | 60 | 60 | 10 |
| **5/16** | 21.1 | 15.5 | 60 | 64 | 10 |
| **11/32** | 21.1 | 15.5 | 60 | 78 | 10 |
| **3/8** | 23 | 15.5 | 60 | 90 | 10 |
| **7/16** | 25 | 15.5 | 60 | 115 | 10 |
| **1/2** | 25 | 15.5 | 60 | 120 | 10 |
| **9/16** | 25 | 15.5 | 60 | 130 | 10 |
| **5/8** | 26 | 15.5 | 60 | 155 | 10 |
| **3/4** | 26 | 15.5 | 60 | 180 | 10 |

| 4012A.75 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5/32** | 21.1 | 15.5 | 75 | 52 | 10 |
| **3/16** | 21.1 | 15.5 | 75 | 58 | 10 |
| **7/32** | 21.1 | 15.5 | 75 | 62 | 10 |
| **1/4** | 21.1 | 15.5 | 75 | 65 | 10 |
| **9/32** | 21.1 | 15.5 | 75 | 70 | 10 |
| **5/16** | 21.1 | 15.5 | 75 | 74 | 10 |
| **11/32** | 21.1 | 15.5 | 75 | 88 | 10 |
| **3/8** | 23 | 15.5 | 75 | 105 | 10 |
| **7/16** | 25 | 15.5 | 75 | 130 | 10 |
| **1/2** | 25 | 15.5 | 75 | 145 | 10 |
| **9/16** | 25 | 15.5 | 75 | 160 | 10 |
| **5/8** | 26 | 15.5 | 75 | 190 | 10 |
| **3/4** | 26 | 15.5 | 75 | 230 | 10 |

| 4012A.100 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5/32** | 24 | 15.5 | 100 | 95 | 10 |
| **3/16** | 24 | 15.5 | 100 | 100 | 10 |
| **7/32** | 24 | 15.5 | 100 | 100 | 10 |
| **1/4** | 24 | 15.5 | 100 | 105 | 10 |
| **9/32** | 24 | 15.5 | 100 | 115 | 10 |
| **5/16** | 24 | 15.5 | 100 | 120 | 10 |
| **11/32** | 24 | 15.5 | 100 | 120 | 10 |
| **3/8** | 24 | 15.5 | 100 | 140 | 10 |
| **7/16** | 24 | 15.5 | 100 | 150 | 10 |
| **1/2** | 24 | 15.5 | 100 | 160 | 10 |
| **9/16** | 24 | 15.5 | 100 | 180 | 10 |
| **5/8** | 24 | 15.5 | 100 | 235 | 5 |
| **3/4** | 24 | 15.5 | 100 | 255 | 5 |

## RS4012A/10-L60

Socket Set on Rail
Juego de Vasos en Regleta

| RS4012A/10-L60 | 10 Pieces set/Rail 300mm | (g) |
|---|---|---|
| **3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4** | | 950 |

4012M/A are for hand use only.
Do not use with an impact wrench.

# Hand Sockets 1/2”

## 3749S-1/2

Reversible Ratchet Short
Llave de Carraca Reversible Corta

S.O.D.H-System · 2 Two-Step Dog · 24

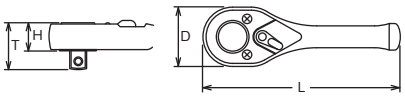
* Renewal Kits → 3749SRK-1/2 ➡P277

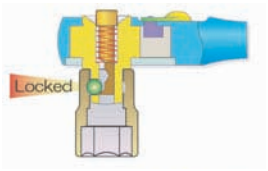
## 3749SB-1/2

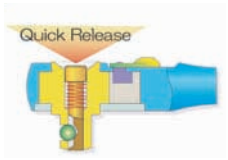
Reversible Ratchet short with quick release button
Llave de Carraca Reversible corta con botón de extracción rápida ⚠

S.O.D.H-System · 2 Two-Step Dog · 24 · Quick Release

* Renewal Kits → 3749SBRK-1/2 ➡P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3749S-1/2 | 34 | 29 | 14.4 | 110 | 200 | 5 |
| 3749SB-1/2 | 34 | 29 | 14.4 | 110 | 200 | 5 |

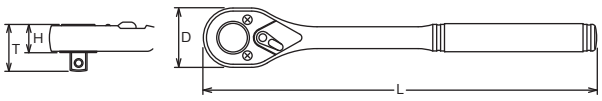
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 4749N-250

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System · 2 Two-Step Dog · 24

* Renewal Kits → 4749RK ➡P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4749N-250 | 44.6 | 33 | 18.4 | 250 | 616 | 1 |

## 4749N-380

Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.O.D.H-System · 2 Two-Step Dog · 24

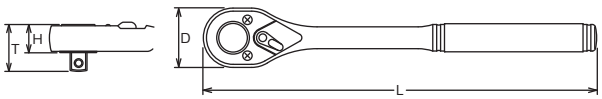
* Renewal Kits → 4749RK ➡P277

## 4749J-380

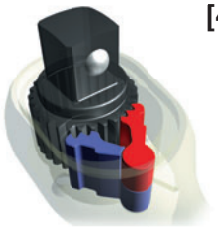
Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.O.D.H-System · 2 Two-Step Dog · 24

* Renewal Kits → 4749RK ➡P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4749N-380 | 44.6 | 33 | 18.4 | 380 | 753 | 1 |
| 4749J-380 | 44.6 | 33 | 18.4 | 380 | 743 | 1 |



## [4750 series]

Two dogs are set in the same axis and the three teeth hold the ratchet gear.
The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.
El aumento de la superficie de contacto produce un aumento del par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.

### 4750N
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30

* Renewal Kits → 4750RK ➔P277

### 4750P
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30

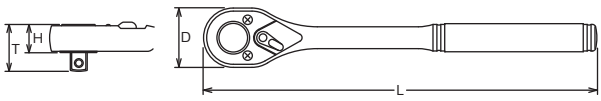
* Renewal Kits → 4750RK ➔P277

### 4750J
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30

* Renewal Kits → 4750RK ➔P277

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4750N | 38 | 35.9 | 21.3 | 250 | 548 | 1 |
| 4750P | 38 | 35.9 | 21.3 | 250 | 553 | 1 |
| 4750J | 38 | 35.9 | 21.3 | 250 | 508 | 1 |




### 4750NB
Reversible Ratchet with quick release button
Llave de Carraca con botón de extracción rápida ⚠

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30 | push Quick Release

* Renewal Kits → 4750BRK ➔P277

### 4750PB
Reversible Ratchet with quick release button
Llave de Carraca con botón de extracción rápida ⚠

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30 | push Quick Release

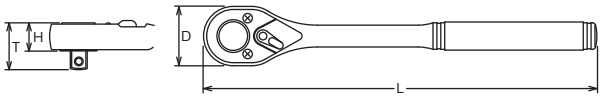
* Renewal Kits → 4750BRK ➔P277

### 4750JB
Reversible Ratchet with quick release button
Llave de Carraca con botón de extracción rápida ⚠

S.O.D.H-System® | 3 Three-Step Dog Pat. | 30 | push Quick Release

* Renewal Kits → 4750BRK ➔P277

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4750NB | 38 | 35.9 | 21.3 | 250 | 548 | 1 |
| 4750PB | 38 | 35.9 | 21.3 | 250 | 553 | 1 |
| 4750JB | 38 | 35.9 | 21.3 | 250 | 508 | 1 |




⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

## 4752N
Reversible Ratchet
Llave de Carraca Reversible

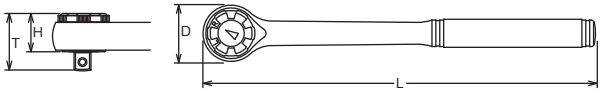
L/R Marking · 45

* Renewal Kits → 4752RK P277

## 4752J
Reversible Ratchet
Llave de Carraca Reversible

L/R Marking · 45

* Renewal Kits → 4752RK P277




### [L/R Marking]

A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L = Izquierda / R = Derecha) indican el sentido de giro.
El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4752N | 35 | 38.8 | 24.5 | 250 | 480 | 1 |
| 4752J | 35 | 38.8 | 24.5 | 250 | 470 | 1 |

## 4753N
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System · Two-Step Dog · 24

* Renewal Kits → 4753RK P277

## 4753P
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System · Two-Step Dog · 24

* Renewal Kits → 4753RK P277

## 4753J
Reversible Ratchet
Llave de Carraca Reversible

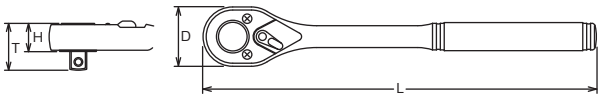
S.O.D.H-System · Two-Step Dog · 24

* Renewal Kits → 4753RK P277

## D4753J
Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System · Two-Step Dog · 24

* Renewal Kits → 4753RK P277

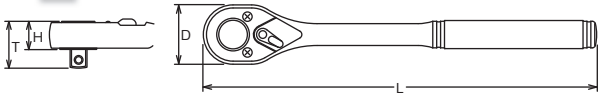



| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4753N | 38 | 36.2 | 21.6 | 250 | 595 | 1 |
| 4753P | 38 | 36.2 | 21.6 | 250 | 570 | 1 |
| 4753J | 38 | 36.2 | 21.6 | 250 | 545 | 1 |
| D4753J | 38 | 36.2 | 21.6 | 250 | 510 | 1 |

## 4753P-410
Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.O.D.H-System · Two-Step Dog · 24

* Renewal Kits → 4753RK P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4753P-410 | 38 | 36.2 | 21.6 | 410 | 790 | 1 |

## 4753NB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

* Renewal Kits → **4753BRK** P277

## 4753PB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

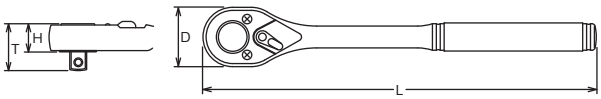
* Renewal Kits → **4753BRK** P277

## 4753JB

Reversible Ratchet with quick release button
Llave de Carraca Reversible con botón de extracción rápida

* Renewal Kits → **4753BRK** P277

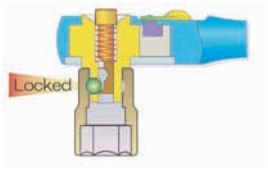
| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **4753NB** | 38 | 36.2 | 21.6 | 250 | 595 | 1 |
| **4753PB** | 38 | 36.2 | 21.6 | 250 | 570 | 1 |
| **4753JB** | 38 | 36.2 | 21.6 | 250 | 545 | 1 |




⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

**Reversible Ratchet with Quick Release Button :**
Sockets and accessories are safely locked.
By pushing the button the sockets or extension bars are released from the ratchet.

**Llave de Carraca Reversible con Botón de Extracción Rápida :** Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.



# GEAR TEETH

## 4774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 4753RK ➡P277

## 4774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

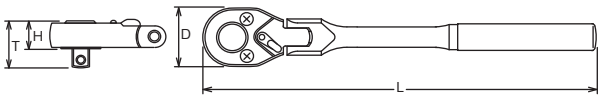
* Renewal Kits → 4753RK ➡P277

## 4774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 4753RK ➡P277



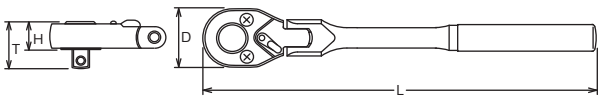

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4774N | 38 | 36.2 | 21.6 | 330 | 700 | 1 |
| 4774P | 38 | 36.2 | 21.6 | 330 | 700 | 1 |
| 4774J | 38 | 36.2 | 21.6 | 330 | 685 | 1 |

## 4774P-450

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible ⚠

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 4753RK ➡P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4774P-450 | 38 | 36.2 | 21.6 | 450 | 790 | 1 |

⚠ 4774P-450 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

* Renewal Kits → **4753BRK** ➡P277

## 4774NB

Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida

* Renewal Kits → **4753BRK** ➡P277

## 4774PB

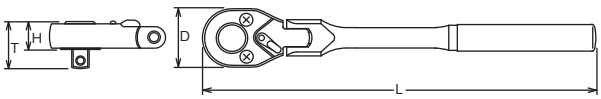
Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida

* Renewal Kits → **4753BRK** ➡P277

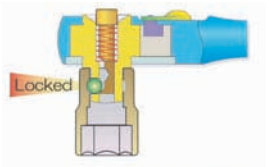
## 4774JB

Flexible Ratchet, reversible with quick release button
Llave de Carraca Flexible, reversible con botón de extracción rápida

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **4774NB** | 38 | 36.2 | 21.6 | 330 | 700 | 1 |
| **4774PB** | 38 | 36.2 | 21.6 | 330 | 700 | 1 |
| **4774JB** | 38 | 36.2 | 21.6 | 330 | 685 | 1 |




⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



**Reversible Ratchet with Quick Release Button :**
Sockets and accessories are safely locked.
By pushing the button the sockets or extension bars are released from the ratchet.

**Llave de Carraca Reversible con Botón de Extracción Rápida :** Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.

# Hand Sockets 1/2”

## 4768N-300 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK P278

OVAL Shank

## 4768N-380 • -450 Hinge Handle Mango Articulado ⚠

* Renewal Kits → 4768RK P278

OVAL Shank

## 4768P-380 • -450 Hinge Handle Mango Articulado ⚠

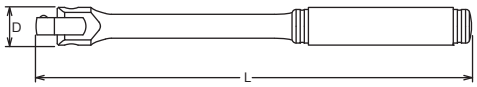
* Renewal Kits → 4768RK P278

OVAL Shank

## 4768J-380 • -450 Hinge Handle Mango Articulado ⚠

* Renewal Kits → 4768RK P278

OVAL Shank




⚠ 4768-450 has longer handle than standard, and can be loaded to excessive torque value. Please use carefully.

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **4768N-300** | 28 | 300 | 600 | 2 |
| **4768N-380** | 28 | 380 | 696 | 2 |
| **4768N-450** | 28 | 450 | 784 | 2 |
| **4768P-380** | 28 | 380 | 665 | 2 |
| **4768P-450** | 28 | 450 | 748 | 2 |
| **4768J-380** | 28 | 380 | 600 | 1 |
| **4768J-450** | 28 | 450 | 690 | 1 |

## 4768N-600 Hinge Handle Mango Articulado ⚠

* Renewal Kits → 4768RK P278

## 4768P-600 Hinge Handle Mango Articulado ⚠

* Renewal Kits → 4768RK P278

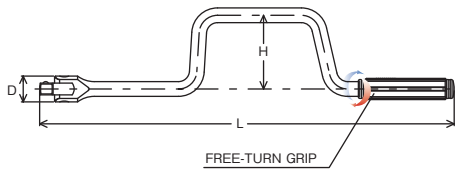
## 4768J-600 Hinge Handle Mango Articulado ⚠

* Renewal Kits → 4768RK P278

⚠ 4768-600 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

| | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **4768N-600** | 28 | 600 | 1100 | 1 |
| **4768P-600** | 28 | 600 | 1170 | 1 |
| **4768J-600** | 28 | 600 | 1120 | 1 |

## 4781N-450 Flexible Speed Handle / Manivela Rápida Flexible



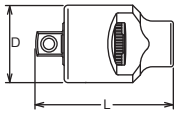
* Renewal Kits → 4768RK P278

| | D (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| 4781N-450 | 28 | 80 | 450 | 1000 | 1 |

## 4755 Ratchet Adaptor / Adaptador de carraca

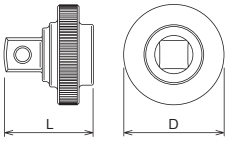
45

* Renewal Kits → 4755RK P278



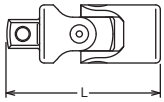
| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 4755 | 33.5 | 65 | 270 | 5 |

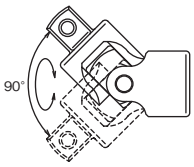
## 4756 Quick Spinner / Disco de Giro Rápido



| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New 4756 | 38 | 34.5 | 95 | 10 |

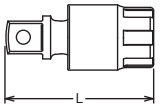
## 4770 Universal Joint / Articulación Universal

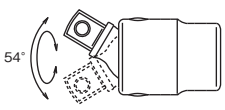


| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| 4770 | 62.4 | 150 | 10 |

## 4771 Universal Joint / Articulación Universal



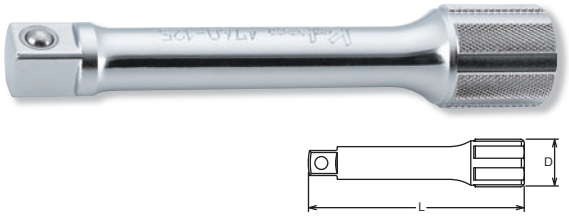



| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| 4771 | 57.7 | 113 | 10 |

# Hand Sockets 1/2”

## 4760-50 • -75 • -100 • -125 • -150 • -200 • -250 • -300 • -400 • -500 • -600 • -900 • -1000

Extension Bars
Alargaderas






| 4760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **50** | 24 | 50 | 92 | 10 |
| **75** | 24 | 75 | 138 | 10 |
| **100** | 24 | 100 | 158 | 5 |
| **125** | 24 | 125 | 194 | 5 |
| **150** | 24 | 150 | 266 | 5 |
| **200** | 24 | 200 | 295 | 5 |
| **250** | 24 | 250 | 358 | 5 |
| **300** | 24 | 300 | 492 | 2 |
| **400** | 24 | 400 | 650 | 1 |
| **500** | 24 | 500 | 808 | 1 |
| **600** | 24 | 600 | 968 | 1 |
| **900** | 24 | 900 | 1430 | 1 |
| **1000** | 24 | 1000 | 1593 | 1 |

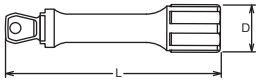
## PK4760/5

Set
Juego

| PK4760/5 | 5 Pieces Set/⚖=1,050g |
|---|---|
| PLASTIC TRAY | |
| Extension Bars | |
| **4760** Extension Bars<br>50, 75, 125, 150, 250 | |

## 4763-50 • -75 • -125 • -150 • -250

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas ⚠




Wobble-Fix

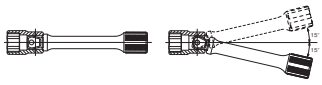
| 4763 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **50** | 24 | 50 | 95 | 10 |
| **75** | 24 | 75 | 111 | 10 |
| **125** | 24 | 125 | 157 | 5 |
| **150** | 24 | 150 | 181 | 5 |
| **250** | 24 | 250 | 267 | 5 |

⚠ The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

## PK4763/5

Set
Juego

| PK4763/5 | 5 Pieces Set/⚖=950g |
|---|---|
| PLASTIC TRAY | |
| Extension Bars | |
| **4763** Wobble-Fix Extension Bars<br>50, 75, 125, 150, 250 | |

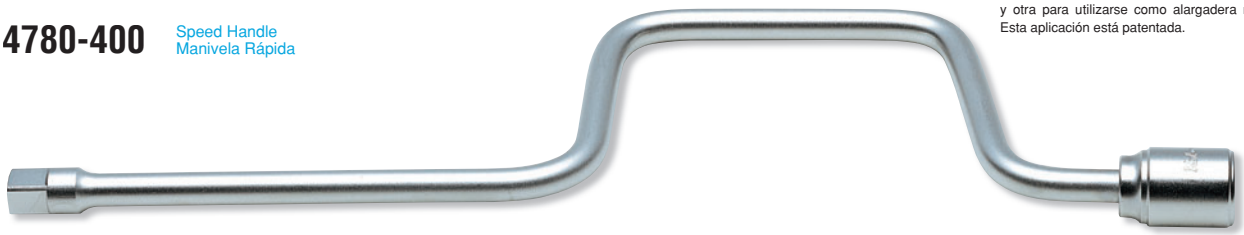


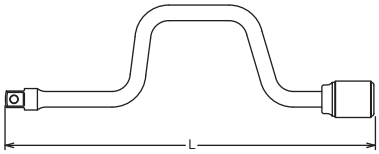
**Wobble-Fix Extension Bar**
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

## 4780-400

Speed Handle
Manivela Rápida





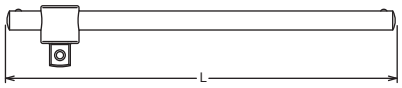

| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| **4780** | 400 | 644 | 1 |

## 4785 T-Handle / Mango Corredizo

OVAL Shank

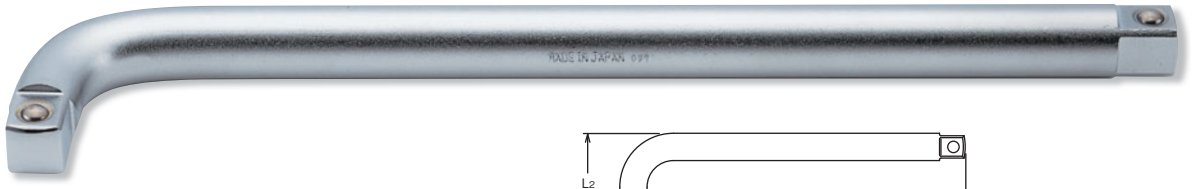
Innovative Oval shaped bar provides higher durability and stops the sliding square part turning around the bar.

| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **4785** | 300 | 410 | 2 |

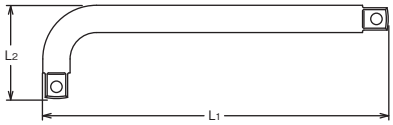



## 4747 L-Handle / Mango Acodado

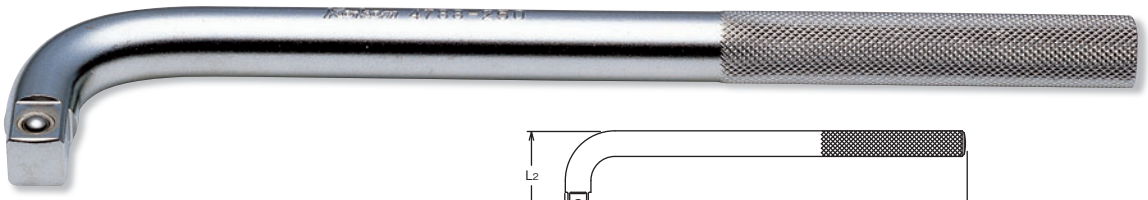
OVAL Shank



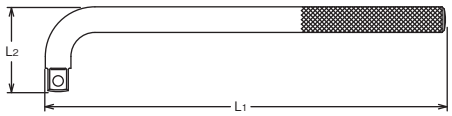
| | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **4747** | 260 | 50 | 470 | 1 |




## 4788-250 · -300 · -450 L-Handles / Mango Acodado



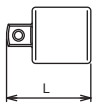
| 4788 | L1 (mm) | L2 (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **250** | 250 | 53 | 417 | 2 |
| **300** | 300 | 53 | 503 | 1 |
| New **450** | 450 | 53 | 745 | 1 |




## 4433A-35 · -125 · -250 · -600

Adaptors / Adaptadores — Warranty 290Nm / Garantia 290Nm

| 4433A | (sq.) | (sq.) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **35** | 1/2" | 3/8" | 35 | 50 | 10 |
| **125** | 1/2" | 3/8" | 125 | 164 | 5 |
| **250** | 1/2" | 3/8" | 250 | 275 | 5 |
| **600** | 1/2" | 3/8" | 600 | 530 | 1 |

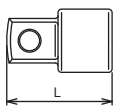


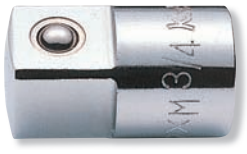
Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

## 4466A Adaptor / Adaptador

| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **4466A** | 1/2" | 3/4" | 42 | 108 | 10 |



# Hand Sockets 1/2”

## 4222M
Socket Set
Juego de Vasos

| 4222M | 13 Pieces Set/=2,780g |
|---|---|
| METAL CASE:W415×H120×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 | **4753N**<br>**4760-125**<br>**4770** |

## 4223M
Socket Set
Juego de Vasos

| 4223M | 15 Pieces Set/=2,600g |
|---|---|
| METAL CASE:W415×H120×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 | **4753N**<br>**4760-125**<br>**4770** |

## 4227M
Bit Socket Set
Juego de Vasos con Punta

| 4227M | 10 Pieces Set/=2,550g |
|---|---|
| METAL CASE:W310×H150×T50mm | |
| **Sockets** | **Accessories** |
| **4012M.75** Hex Bit Sockets 5, 6, 8, 10, 12, 14, 17 | **4749N-250**<br>**4760-75**<br>**4760-125** |

## 4230M · 4230A
Socket Sets
Juegos de Vasos

| 4230M | 17 Pieces Set/=3,150g |
|---|---|
| METAL CASE:W395×H90×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26 | **4753N**<br>**4760-125**<br>**4768N-380**<br>**4710** |

| 4230A | 17 Pieces Set/=3,150g |
|---|---|
| METAL CASE:W395×H90×T50mm | |
| **Sockets** | **Accessories** |
| **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1 | **4753N**<br>**4760-125**<br>**4768N-380**<br>**4710** |

## 4232M
Socket Set
Juego de Vasos

| 4232M | 16 Pieces Set/=3,300g |
|---|---|
| METAL CASE:W415×H120×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 8, 9, 10, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26 | **4753N**<br>**4760-125**<br>**4768N-380** |

## 4240M-00 · 4240A-00
## 4240M-05 · 4240A-05

Display Stands
Expositores

| | |
|---|---|
| 4240M-00 | 4400M 32 Pieces Set/△△=4,400g |
| 4240M-05 | 4405M 32 Pieces Set/△△=4,400g |

DISPLAY STAND:W410×H160×T500mm

Sockets

**Sockets (2pcs.each)**
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 27, 30, 32

| | |
|---|---|
| 4240A-00 | 4400A 32 Pieces Set/△△=4,700g |
| 4240A-05 | 4405A 32 Pieces Set/△△=4,700g |

DISPLAY STAND:W410×H160×T500mm

Sockets

**Sockets (2pcs.each)**
3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4

## S4240M-00 · S4240A-00
## S4240M-05 · S4240A-05

Display Stands
Expositores

| | |
|---|---|
| S4240M-00 | 4400M 117 Pieces Set/△△=13,000g |
| S4240M-05 | 4405M 117 Pieces Set/△△=13,000g |

DISPLAY STAND:W510×H150×T230mm

Sockets

| | | |
|---|---|---|
| 10mm:9pcs | 16mm:9pcs | 24mm:6pcs |
| 11mm:9pcs | 17mm:8pcs | 27mm:5pcs |
| 12mm:9pcs | 19mm:7pcs | 30mm:5pcs |
| 13mm:9pcs | 21mm:7pcs | 32mm:4pcs |
| 14mm:9pcs | 22mm:6pcs | |
| 15mm:9pcs | 23mm:6pcs | |

| | |
|---|---|
| S4240A-00 | 4400A 103 Pieces Set/△△=13,000g |
| S4240A-05 | 4405A 103 Pieces Set/△△=13,000g |

DISPLAY STAND:W510×H150×T230mm

Sockets

| | | |
|---|---|---|
| 3/8" :9pcs | 11/16":8pcs | 1" :5pcs |
| 7/16":9pcs | 3/4" :7pcs | 1.1/16":5pcs |
| 1/2" :9pcs | 13/16":7pcs | 1.1/8" :5pcs |
| 9/16":9pcs | 7/8" :6pcs | 1.3/16":5pcs |
| 5/8" :9pcs | 15/16":6pcs | 1.1/4" :4pcs |

# Hand Sockets 1/2”

## 4238AM

Socket Set
Juego de Vasos

| 4238AM | 38 Pieces Set/=8,050g |
|---|---|
| METAL CASE:W446×H266×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32 | **4753N** |
| **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4 | **4760-125** |
| **4300C** Spark Plug Socket 20.8 | **4760-250** |
| | **4770** |
| | **4780** |
| | **4785** |

## 4241M

Socket Set
Juego de Vasos

| 4241M | 28 Pieces Set/=6,500g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 | **4753N** |
| | **4760-125** |
| | **4760-250** |
| | **4768N-380** |
| | **4770** |
| | **4785** |

## 4241A

Socket Set
Juego de Vasos

| 4241A | 19 Pieces Set/=5,350g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| **Sockets** | **Accessories** |
| **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4 | **4753N** |
| | **4760-125** |
| | **4760-250** |
| | **4768N-380** |
| | **4770** |
| | **4785** |

## 4244M · 4244A

Socket Sets
Juegos de Vasos

| 4244M | 22 Pieces Set/=5,500g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| **Sockets** | **Accessories** |
| **4405M** 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32 | **4753N** |
| | **4760-125** |
| | **4760-250** |
| | **4768N-380** |
| | **4770** |
| | **4785** |
| | **4710** |

| 4244A | 22 Pieces Set/=5,650g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| **Sockets** | **Accessories** |
| **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/8, 1.1/4 | **4753N** |
| | **4760-125** |
| | **4760-250** |
| | **4768N-380** |
| | **4770** |
| | **4785** |
| | **4710** |

## 4248M

Socket Set
Juego de Vasos

| 4248M | 24 Pieces Set/⚖=5,700g |
|---|---|

METAL CASE:W445×H190×T50mm

| Sockets | Accessories |
|---|---|
| **4405M** 12-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32 | **4753N**<br>**4760-125**<br>**4760-250**<br>**4770**<br>**4780**<br>**4785** |

## 4250M

Socket Set
Juego de Vasos

| 4250M | 18 Pieces Set/⚖=3,700g |
|---|---|

METAL CASE:W445×H190×T50mm

| Sockets | Accessories |
|---|---|
| **4405M** 12-pt. Sockets<br>10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32 | **4753N**<br>**4760-125**<br>**4760-250**<br>**4770**<br>**4785** |

## 4251M · 4251A

Socket Sets
Juegos de Vasos

| 4251M | 22 Pieces Set/⚖=3,200g |
|---|---|

METAL CASE:W330×H68×T48mm

| Sockets |
|---|
| **4405M** 12-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 |

| 4251A | 18 Pieces Set/⚖=2,660g |
|---|---|

METAL CASE:W330×H68×T48mm

| Sockets |
|---|
| **4405A** 12-pt. Sockets<br>3/8, 7/16, 1/2, 9/16, 5/8, 19/32, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4 |

## 4252M · 4252A

Socket Sets
Juegos de Vasos

| 4252M | 13 Pieces Set/⚖=1,200g |
|---|---|

METAL CASE:W168×H60×T42mm

| Sockets |
|---|
| **4405M** 12-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 |

| 4252A | 13 Pieces Set/⚖=1,300g |
|---|---|

METAL CASE:W168×H60×T42mm

| Sockets |
|---|
| **4405A** 12-pt. Sockets<br>3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16 |

## 4254

Socket Set
Juego de Vasos

| 4254 | 12 Pieces Set/⚖=1,070g |
|---|---|

METAL CASE:W215×H80×T47mm

| Sockets | Accessories |
|---|---|
| **3425-** E6, E8<br>**4425-** E10, E12, E14<br>**3325-** E6, E8<br>**4325-** E10, E12, E14 | **4763-50**<br>**4433A-35** |

# Hand Sockets 1/2”

## 4261M
Socket Set
Juego de Vasos

| 4261M | 18 Pieces Set/⚖=4,870g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27 | **4753N**<br>**4760-125**<br>**4760-250**<br>**4768N-380**<br>**4770** |

## 4263M
Socket Set
Juego de Vasos

| 4263M | 21 Pieces Set/⚖=6,100g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 23, 24, 26, 27 | **4753N**<br>**4760-125**<br>**4760-250**<br>**4768N-380**<br>**4770**<br>**4715S** |

## 4273AM
Socket Set
Juego de Vasos

| 4273AM | 30 Pieces Set/⚖=6,940g |
|---|---|
| METAL CASE:W446×H266×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26, 27<br>**4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 | **4753N**<br>**4760-125**<br>**4760-250**<br>**4768N-380**<br>**4770**<br>**4785** |

## P4241M-01
## P4241M-06
Socket Sets
Juegos de Vasos

| P4241M-01 | 28 Pieces Set/⚖=6,400g |
|---|---|
| PLASTIC CASE:W425×H332×T65mm | |
| Sockets | Accessories |
| **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 | **4753J**<br>**4760-125**<br>**4760-250**<br>**4768J-380**<br>**4770**<br>**4785** |

| P4241M-06 | 28 Pieces Set/⚖=6,400g |
|---|---|
| PLASTIC CASE:W425×H332×T65mm | |
| Sockets | Accessories |
| **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 | **4753J**<br>**4760-125**<br>**4760-250**<br>**4768J-380**<br>**4770**<br>**4785** |

## 4275 Socket Set / Juego de Vasos

| 4275 | 24 Pieces Set/⚖=5,340g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4400M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 | 4750N |
| **4300C** Spark Plug Sockets 16, 20.8 | 4760-125 |
| **4300M** Wheel Nut Sockets 17(L60), 19(L60), 21(L60) | 4760-250 |
| | 4768N-380 |
| | 4770 |
| | 4785 |

## 4276 Socket Set / Juego de Vasos

| 4276 | 17 Pieces Set/⚖=2,890g |
|---|---|
| METAL CASE:W370×H150×T50mm | |
| Sockets | Accessories |
| **4010M.50** Bit Sockets 6, 7, 8, 10, 12, 14 | 4752N |
| **4025.60** TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60 | 4763-125 |

## 4277 Socket Set / Juego de Vasos

| 4277 | 27 Pieces Set/⚖=5,660g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 | 4750N |
| **4305M** 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 | 4760-125 |
| | 4768N-380 |

## 4279AM Socket Set / Juego de Vasos

| 4279AM | 36 Pieces Set/⚖=6,000g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32 | 4753N |
| **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4 | 4760-125 |
| | 4760-250 |
| | 4770 |
| | 4785 |

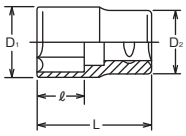
## 4289M Socket Set / Juego de Vasos

| 4289M | 18 Pieces Set/⚖=4,200g |
|---|---|
| METAL CASE:W445×H190×T50mm | |
| Sockets | Accessories |
| **4405M** 12-pt. Sockets 8, 10, 12, 13, 14, 17, 19, 21, 22, 24, 27, 30, 32 | 4753N |
| | 4760-125 |
| | 4760-250 |
| | 4768N-450 |
| | 4771 |

# Hand Sockets 3/4”

## 6400M · 6400A

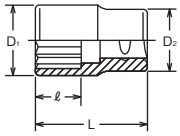
6-point Sockets
Vasos Hexagonales




| 6400M 6405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **17** | 26 | 34 | 12.5 | 50 | 175 | 5 |
| **18** | 27 | 34 | 13 | 50 | 178 | 5 |
| **19** | 28.5 | 34 | 13.5 | 50 | 179 | 5 |
| **20** | 29.5 | 34 | 14 | 50 | 185 | 5 |
| **21** | 31 | 34 | 14.5 | 50 | 185 | 5 |
| **22** | 32 | 34 | 15 | 50 | 187 | 5 |
| **23** | 33.5 | 34 | 16 | 50 | 187 | 5 |
| **24** | 34.5 | 34 | 17 | 50 | 200 | 5 |
| **25** | 36 | 34 | 17.5 | 50 | 217 | 5 |
| **26** | 37 | 34 | 18 | 50 | 222 | 5 |
| **27** | 38.5 | 37 | 19 | 53 | 254 | 5 |
| **28** | 39.5 | 38 | 19.5 | 53 | 298 | 5 |
| **29** | 41 | 38 | 20 | 55 | 292 | 5 |
| **30** | 42 | 38 | 21 | 55 | 301 | 5 |
| **31** | 43.5 | 38 | 22 | 57 | 294 | 5 |
| **32** | 44.5 | 40 | 23 | 57 | 351 | 5 |
| **33** | 46 | 40 | 23.5 | 57 | 384 | 5 |
| **34** | 47 | 40 | 24 | 57 | 397 | 5 |
| **35** | 48.5 | 42 | 24.5 | 59 | 422 | 5 |
| **36** | 49.5 | 42 | 25 | 59 | 438 | 5 |
| **37** | 51 | 42 | 25.5 | 59 | 484 | 5 |
| **38** | 52 | 45 | 26 | 59 | 523 | 5 |
| **39** | 53.5 | 45 | 26.5 | 59 | 538 | 5 |
| **40** | 54.5 | 45 | 27 | 62 | 550 | 5 |
| **41** | 56 | 47 | 28 | 62 | 633 | 5 |
| **42** | 57 | 47 | 28.5 | 62 | 652 | 2 |
| **43** | 58.5 | 47 | 29 | 62 | 659 | 2 |
| **44** | 59.5 | 47 | 29.5 | 62 | 657 | 2 |
| **45** | 61 | 47 | 30 | 68 | 734 | 2 |
| **46** | 62 | 47 | 31 | 68 | 791 | 2 |
| **47** | 63.5 | 48 | 31.5 | 68 | 816 | 2 |
| **48** | 64.5 | 45 | 32 | 68 | 800 | 2 |
| **50** | 67 | 48 | 34 | 68 | 880 | 2 |
| **52** | 69.5 | 53 | 33 | 72 | 925 | 2 |
| **54** | 72 | 55 | 33 | 72 | 1040 | 2 |
| **55** | 73.5 | 53 | 36 | 72 | 1006 | 2 |
| **56** | 74.5 | 53 | 36 | 72 | 1092 | 2 |
| **57** | 76 | 53 | 36 | 72 | 1169 | 2 |
| **58** | 77 | 53 | 36 | 72 | 1149 | 2 |
| **60** | 79.5 | 58 | 39 | 76 | 1402 | 2 |
| **63** | 83.5 | 58 | 39 | 76 | 1494 | 2 |
| **65** | 86 | 63 | 42 | 80 | 1608 | 2 |
| **70** | 92 | 68 | 45 | 84 | 1785 | 2 |
| **75** | 98.5 | 73 | 48 | 86 | 2186 | 1 |
| **80** | 104.5 | 78 | 52 | 90 | 2475 | 1 |
| **85** | 111 | 78 | 52 | 90 | 2620 | 1 |

## 6405M · 6405A

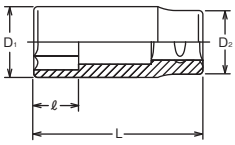
12-point Sockets
Vasos Bihexagonales




| 6400A 6405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **11/16** | 27 | 34 | 13 | 50 | 178 | 5 |
| **3/4** | 28.5 | 34 | 13.5 | 50 | 179 | 5 |
| **25/32** | 29.5 | 34 | 14 | 50 | 185 | 5 |
| **13/16** | 31 | 34 | 14.5 | 50 | 185 | 5 |
| **7/8** | 32 | 34 | 15 | 50 | 187 | 5 |
| **15/16** | 34.5 | 34 | 17 | 50 | 200 | 5 |
| **31/32** | 36 | 34 | 17.5 | 50 | 217 | 5 |
| **1** | 37 | 34 | 18 | 50 | 222 | 5 |
| **1. 1/16** | 38.5 | 37 | 19 | 53 | 254 | 5 |
| **1. 1/8** | 41 | 38 | 20 | 53 | 292 | 5 |
| **1. 3/16** | 42 | 38 | 21 | 55 | 301 | 5 |
| **1. 1/4** | 44.5 | 40 | 23 | 57 | 351 | 5 |
| **1. 5/16** | 46 | 40 | 23.5 | 57 | 384 | 5 |
| **1. 3/8** | 48.5 | 42 | 24.5 | 57 | 422 | 5 |
| **1. 7/16** | 51 | 42 | 25.5 | 59 | 484 | 5 |
| **1. 1/2** | 52 | 45 | 26 | 59 | 523 | 5 |
| **1. 9/16** | 54.5 | 45 | 27 | 59 | 550 | 5 |
| **1. 5/8** | 56 | 47 | 28 | 62 | 633 | 5 |
| **1.11/16** | 58.5 | 47 | 29 | 62 | 659 | 2 |
| **1. 3/4** | 59.5 | 47 | 29.5 | 62 | 657 | 2 |
| **1.13/16** | 62 | 47 | 31 | 68 | 791 | 2 |
| **1. 7/8** | 64.5 | 45 | 32 | 68 | 892 | 2 |
| **1.15/16** | 66 | 48 | 32.5 | 68 | 870 | 2 |
| **2** | 68.5 | 52 | 34.5 | 68 | 949 | 2 |
| **2. 1/16** | 71 | 54 | 33 | 72 | 983 | 2 |
| **2. 1/8** | 72 | 55 | 33 | 72 | 1040 | 2 |
| **2. 3/16** | 74.5 | 53 | 36 | 72 | 1092 | 2 |
| **2. 1/4** | 76 | 53 | 36 | 72 | 1169 | 2 |
| **2. 5/16** | 78.5 | 53 | 36 | 72 | 1344 | 2 |
| **2. 3/8** | 79.5 | 58 | 39 | 76 | 1402 | 2 |
| **2. 7/16** | 82 | 58 | 39 | 76 | 1420 | 2 |
| **2. 1/2** | 84.5 | 58 | 39 | 76 | 1497 | 2 |
| **2. 9/16** | 86 | 63 | 42 | 80 | 1608 | 2 |
| **2. 5/8** | 88.5 | 63 | 42 | 80 | 1709 | 2 |
| **2.11/16** | 89.5 | 63 | 42 | 80 | 1634 | 2 |
| **2. 3/4** | 92 | 68 | 45 | 84 | 1785 | 2 |
| **2.13/16** | 94.5 | 68 | 45 | 84 | 2018 | 2 |
| **2. 7/8** | 96 | 68 | 45 | 84 | 2062 | 2 |
| **2.15/16** | 98.5 | 73 | 48 | 86 | 2186 | 1 |
| **3** | 101 | 73 | 48 | 86 | 2309 | 1 |
| **3. 1/8** | 104.5 | 78 | 52 | 90 | 2475 | 1 |

## 6300M · 6300A

6-point Deep Sockets
Vasos Hexagonales Largos




| 6300M 6305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **17** | 26 | 34 | 18 | 90 | 278 | 5 |
| **18** | 27 | 34 | 19 | 90 | 281 | 5 |
| **19** | 28.5 | 34 | 20 | 90 | 292 | 5 |
| **20** | 29.5 | 34 | 21 | 90 | 334 | 5 |
| **21** | 31 | 34 | 22 | 90 | 343 | 5 |
| **22** | 32 | 34 | 23 | 90 | 347 | 5 |
| **23** | 33.5 | 34 | 24 | 90 | 361 | 5 |
| **24** | 34.5 | 34 | 25 | 90 | 352 | 5 |
| **25** | 36 | 34 | 26 | 90 | 369 | 5 |
| **26** | 37 | 34 | 27 | 90 | 384 | 5 |
| **27** | 38.5 | 37 | 28 | 90 | 425 | 5 |
| **28** | 39.5 | 38 | 29 | 90 | 470 | 5 |
| **29** | 41 | 38 | 30 | 90 | 503 | 5 |
| **30** | 42 | 38 | 31 | 90 | 503 | 5 |
| **31** | 43.5 | 38 | 32 | 90 | 517 | 5 |
| **32** | 44.5 | 40 | 34 | 90 | 544 | 5 |
| **33** | 46 | 40 | 34 | 90 | 557 | 5 |
| **34** | 47 | 40 | 35 | 90 | 570 | 5 |
| **35** | 48.5 | 42 | 36 | 90 | 622 | 5 |
| **36** | 49.5 | 42 | 37 | 90 | 631 | 2 |
| **38** | 52 | 45 | 39 | 90 | 710 | 2 |
| **40** | 54.5 | 45 | 41 | 90 | 742 | 2 |
| **41** | 56 | 47 | 42 | 90 | 802 | 2 |
| **42** | 57 | 47 | 43 | 90 | 829 | 2 |
| **44** | 59.5 | 47 | 45 | 90 | 838 | 2 |
| **46** | 62 | 47 | 47 | 90 | 906 | 2 |
| **48** | 64.5 | 50 | 49 | 90 | 998 | 2 |
| **50** | 67 | 48 | 51 | 90 | 1005 | 2 |
| **52** | 69.5 | 53 | 49 | 100 | 1270 | 2 |
| **53** | 71 | 54 | 49 | 100 | 1338 | 2 |
| **54** | 72 | 55 | 49 | 100 | 1351 | 2 |
| **55** | 73.5 | 53 | 52 | 100 | 1388 | 2 |
| **56** | 74.5 | 53 | 52 | 100 | 1389 | 2 |
| **57** | 76 | 53 | 52 | 100 | 1467 | 2 |
| **58** | 77 | 53 | 52 | 100 | 1480 | 2 |
| **60** | 79.5 | 58 | 55 | 100 | 1626 | 2 |
| **63** | 83.5 | 58 | 55 | 100 | 1740 | 2 |

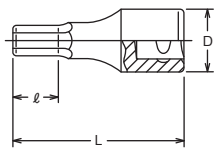
## 6305M · 6305A

12-point Deep Sockets
Vasos Bihexagonales Largos

| 6300A 6305A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **3/4** | 28.5 | 34 | 20 | 90 | 292 | 5 |
| **25/32** | 29.5 | 34 | 21 | 90 | 334 | 5 |
| **13/16** | 31 | 34 | 22 | 90 | 343 | 5 |
| **7/8** | 32 | 34 | 23 | 90 | 347 | 5 |
| **15/16** | 34.5 | 34 | 25 | 90 | 352 | 5 |
| **1** | 37 | 34 | 27 | 90 | 384 | 5 |
| **1. 1/16** | 38.5 | 37 | 28 | 90 | 425 | 5 |
| **1. 1/8** | 41 | 38 | 30 | 90 | 503 | 5 |
| **1. 3/16** | 42 | 38 | 31 | 90 | 503 | 5 |
| **1. 1/4** | 44.5 | 40 | 34 | 90 | 544 | 5 |
| **1. 5/16** | 46 | 40 | 34 | 90 | 557 | 5 |
| **1. 3/8** | 48.5 | 42 | 36 | 90 | 622 | 5 |
| **1. 7/16** | 51 | 42 | 38 | 90 | 656 | 2 |
| **1. 1/2** | 52 | 45 | 39 | 90 | 710 | 2 |
| **1. 9/16** | 54.5 | 45 | 41 | 90 | 742 | 2 |
| **1. 5/8** | 56 | 47 | 42 | 90 | 802 | 2 |
| **1.11/16** | 58.5 | 47 | 44 | 90 | 831 | 2 |
| **1. 3/4** | 59.5 | 47 | 45 | 90 | 838 | 2 |
| **1.13/16** | 62 | 47 | 47 | 90 | 906 | 2 |
| **2** | 68.5 | 52 | 52 | 90 | 1061 | 2 |
| **2. 1/16** | 71 | 54 | 49 | 100 | 1338 | 2 |
| **2. 1/8** | 72 | 55 | 49 | 100 | 1351 | 2 |
| **2. 3/16** | 74.5 | 53 | 52 | 100 | 1389 | 2 |
| **2. 1/4** | 76 | 53 | 52 | 100 | 1467 | 2 |
| **2. 5/16** | 78.5 | 53 | 52 | 100 | 1787 | 2 |
| **2. 3/8** | 79.5 | 58 | 55 | 100 | 1626 | 2 |
| **2. 7/16** | 82 | 58 | 55 | 100 | 1715 | 2 |

## 6012M-75

Inhex Sockets
Vasos con Punta Hexagonal




| 6012M.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **12** | 35 | 15.5 | 75 | 253 | 10 |
| **14** | 35 | 15.5 | 75 | 265 | 10 |
| **15** | 35 | 15.5 | 75 | 280 | 10 |
| **16** | 35 | 15.5 | 75 | 285 | 10 |
| **17** | 35 | 15.5 | 75 | 292 | 10 |
| **18** | 35 | 15.5 | 75 | 302 | 10 |
| **19** | 35 | 15.5 | 75 | 312 | 10 |
| **20** | 35 | 15.5 | 75 | 323 | 10 |
| **22** | 38 | 22.5 | 75 | 340 | 10 |
| **24** | 38 | 22.5 | 75 | 362 | 10 |
| **27** | 38 | 22.5 | 75 | 402 | 10 |
| **30** | 38 | 28.5 | 75 | 445 | 10 |
| **32** | 38 | 28.5 | 75 | 485 | 10 |
| **36** | 42 | 28.5 | 75 | 540 | 10 |

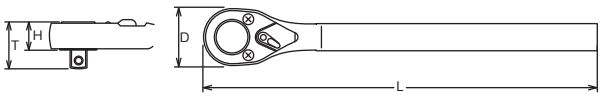
# Hand Sockets 3/4”

## 6749

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System | 2 Two-Step Dog | 36

* Renewal Kits → 6749RK ➡P277



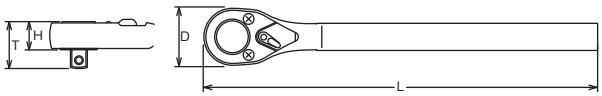

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 6749 | 68 | 49.6 | 29.6 | 565 | 2800 | 1 |

## 6749-1000

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System | 2 Two-Step Dog | 36

* Renewal Kits → 6749RK ➡P277



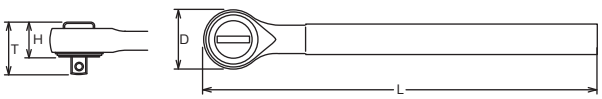

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 6749-1000 | 68 | 49.6 | 29.6 | 1000 | 3600 | 1 |

## 6752

Reversible Ratchet
Llave de Carraca Reversible

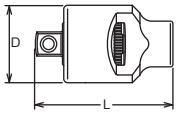
60

* Renewal Kits → 6752RK ➡P277




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 6752 | 67 | 55.5 | 35.5 | 500 | 2380 | 1 |

## 6755 Ratchet Adaptor Adaptador de carraca

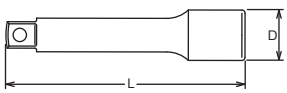



60

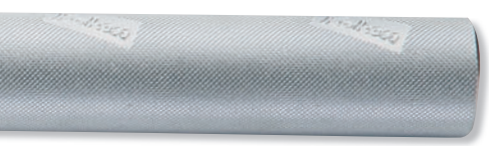
* Renewal Kits → 6755RK P278

| | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6755** | 62 | 97 | 1162 | 1 |

## 6760-75 · -100 · -125 · -150 · -200 · -300 · -400 Extension Bars Alargaderas

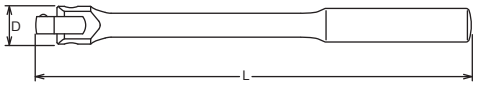



| 6760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **75** | 35 | 75 | 335 | 10 |
| **100** | 35 | 100 | 434 | 10 |
| **125** | 35 | 125 | 528 | 10 |
| **150** | 35 | 150 | 624 | 2 |
| **200** | 35 | 200 | 815 | 1 |
| **300** | 35 | 300 | 1203 | 1 |
| **400** | 35 | 400 | 1585 | 1 |



# Hand Sockets 3/4”

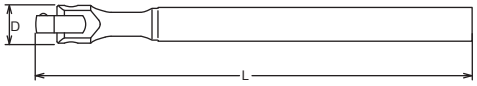
## 6768 Hinge Handle Mango Articulado




* Renewal Kits → 6768RK ➡P278

| | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 6768 | 42 | 450 | 1715 | 1 |

## 6768-600 • -1000 Hinge Handles Mangos Articulados

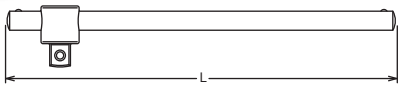



* Renewal Kits → 6768RK ➡P278

| 6768 | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 600 | 42 | 600 | 2800 | 1 |
| 1000 | 42 | 1000 | 3400 | 1 |

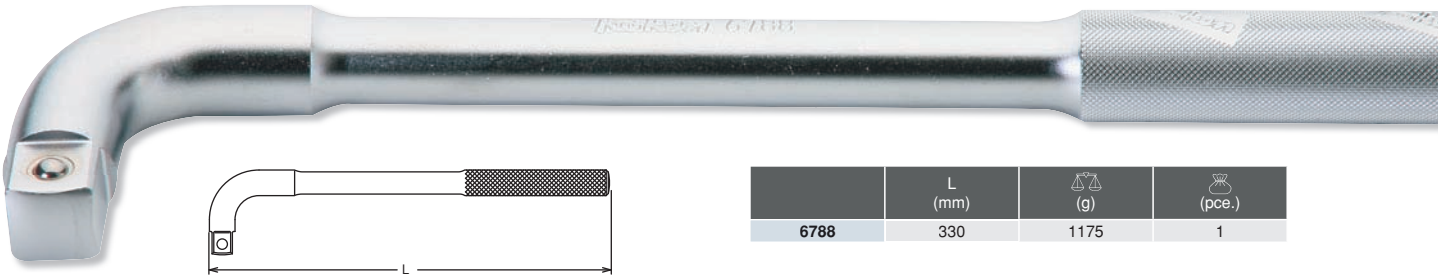
## 6785 T-Handle Mango Corredizo

OVAL Shank




| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| 6785 | 500 | 1542 | 1 |

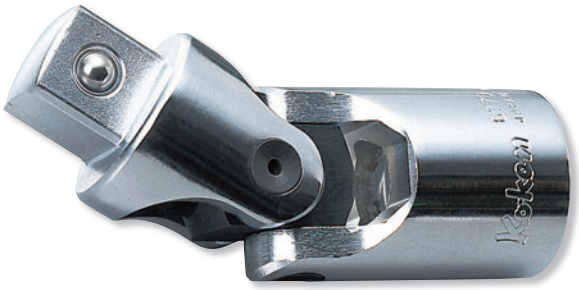
## 6788 L-Handle Mango Acodado



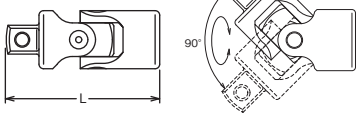



| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| 6788 | 330 | 1175 | 1 |

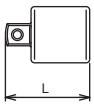
## 6770 Universal Joint / Articulación Universal



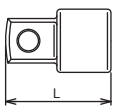
| | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **6770** | 105 | 478 | 2 |



## 6644A Adaptor / Adaptador Warranty 668Nm / Garantía 668Nm ⚠



## 6688A Adaptor / Adaptador



| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **6644A** | 3/4" | 1/2" | 47 | 136 | 5 |
| **6688A** | 3/4" | 1" | 60 | 285 | 5 |

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

# Hand Sockets 3/4”

## 6201M · 6201A

Socket Sets
Juegos de Vasos

**6201M** — 16 Pieces Set/⚖=17,300g

METAL CASE:W580×H200×T85mm

| Sockets | Accessories |
|---|---|
| **6405M** 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60 | **6749**<br>**6760-200**<br>**6760-400**<br>**6768**<br>**6785** |

**6201A** — 18 Pieces Set/⚖=17,600g

METAL CASE:W580×H200×T85mm

| Sockets | Accessories |
|---|---|
| **6405A** 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2 | **6749**<br>**6760-200**<br>**6760-400**<br>**6768**<br>**6785** |

## 6212M · 6212A

Socket Sets
Juegos de Vasos

**6212M** — 12 Pieces Set/⚖=11,000g

METAL CASE:W580×H124×T70mm

| Sockets | Accessories |
|---|---|
| **6405M** 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50 | **6749**<br>**6760-200**<br>**6785** |

**6212A** — 12 Pieces Set/⚖=11,000g

METAL CASE:W580×H124×T70mm

| Sockets | Accessories |
|---|---|
| **6405A** 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.3/16, 1.1/4, 1.7/16, 1.5/8, 1.13/16, 2 | **6749**<br>**6760-200**<br>**6785** |

Sockets in sets can be supplied in 6-pt. or 12-pt. format.

## 6260M · 6260A

Socket Sets
Juegos de Vasos

**6260M** 20 Pieces Set/⚖=15,800g

METAL CASE:W580×H200×T85mm

| Sockets | Accessories |
|---|---|
| **6405M** 12-pt. Sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50 | **6749** |
| **6101** Drag Link Socket | **6760-75** |
| | **6760-200** |
| | **6760-400** |
| | **6770** |
| | **6785** |

**6260A** 25 Pieces Set/⚖=19,000g

METAL CASE:W580×H200×T85mm

| Sockets | Accessories |
|---|---|
| **6405A** 12-pt. Sockets 15/16, 31/32, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2, 1.9/16, 1.5/8, 1.11/16, 1.3/4, 1.13/16, 1.7/8, 2 | **6749** |
| **6101** Drag Link Socket | **6760-75** |
| | **6760-200** |
| | **6760-400** |
| | **6770** |
| | **6785** |

## 6268M

Socket Sets
Juegos de Vasos

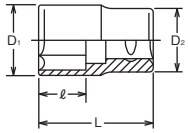
**6268M** 15 Pieces Set/⚖=12,500g

METAL CASE:W580×H124×T70mm

| Sockets | Accessories |
|---|---|
| **6405M** 12-pt. Sockets 19, 22, 24, 27, 29, 30, 32, 36, 38, 41, 46, 50 | **6749** |
| | **6760-200** |
| | **6768** |

## 8400M · 8400A

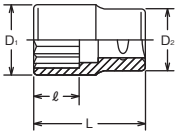
6-point Sockets
Vasos Hexagonales




| 8400M 8405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **24** | 36.5 | 44 | 17 | 60 | 360 | 1 |
| **27** | 40.5 | 44 | 19 | 60 | 362 | 1 |
| **30** | 44 | 45 | 21 | 65 | 410 | 1 |
| **32** | 46.5 | 45 | 23 | 65 | 455 | 1 |
| **33** | 48 | 46 | 23.5 | 65 | 485 | 1 |
| **35** | 50.5 | 48 | 24.5 | 65 | 536 | 1 |
| **36** | 51.5 | 48 | 25 | 65 | 600 | 1 |
| **38** | 54 | 50 | 26 | 65 | 624 | 1 |
| **40** | 56.5 | 53 | 27 | 65 | 686 | 1 |
| **41** | 58 | 53 | 28 | 68 | 747 | 1 |
| **42** | 59 | 53 | 28.5 | 68 | 789 | 1 |
| **46** | 64 | 53 | 31 | 72 | 928 | 1 |
| **50** | 69 | 53 | 34 | 72 | 943 | 1 |
| **54** | 74 | 55 | 37 | 72 | 1016 | 1 |
| **55** | 75.5 | 53 | 42 | 77 | 1167 | 1 |
| **58** | 79 | 53 | 41 | 77 | 1200 | 1 |
| **60** | 81.5 | 58 | 46 | 82 | 1440 | 1 |
| **63** | 85.5 | 58 | 45 | 82 | 1470 | 1 |
| **65** | 88 | 63 | 49 | 86 | 1683 | 1 |
| **67** | 90.5 | 63 | 49 | 86 | 1840 | 1 |
| **68** | 91.5 | 63 | 49 | 86 | 1800 | 1 |
| **70** | 94 | 68 | 50 | 88 | 1963 | 1 |
| **71** | 95.5 | 68 | 50 | 88 | 2200 | 1 |
| **75** | 100.5 | 73 | 53 | 90 | 2204 | 1 |
| **80** | 106.5 | 75 | 58 | 95 | 2550 | 1 |
| **83** | 110.5 | 78 | 57 | 95 | 2730 | 1 |
| **85** | 113 | 80 | 57 | 95 | 2680 | 1 |
| **90** | 119 | 80 | 59 | 100 | 3420 | 1 |
| **95** | 125.5 | 85 | 58 | 100 | 4900 | 1 |
| **100** | 131.5 | 85 | 57 | 100 | 4840 | 1 |

## 8405M · 8405A

12-point Sockets
Vasos Bihexagonales

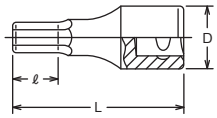



| 8400A 8405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **15/16** | 36.5 | 44 | 17 | 60 | 355 | 1 |
| **1. 3/16** | 44 | 45 | 21 | 65 | 410 | 1 |
| **1. 1/4** | 46.5 | 45 | 23 | 65 | 455 | 1 |
| **1. 5/16** | 48 | 46 | 23.5 | 65 | 485 | 1 |
| **1. 3/8** | 50.5 | 48 | 24.5 | 65 | 536 | 1 |
| **1. 7/16** | 53 | 50 | 25.5 | 65 | 607 | 1 |
| **1. 1/2** | 54 | 50 | 26 | 65 | 624 | 1 |
| **1. 9/16** | 56.5 | 53 | 27 | 65 | 686 | 1 |
| **1. 5/8** | 58 | 53 | 28 | 68 | 747 | 1 |
| **1.11/16** | 60.5 | 53 | 29 | 68 | 830 | 1 |
| **1. 3/4** | 61.5 | 53 | 29.5 | 68 | 807 | 1 |
| **1.13/16** | 64 | 53 | 31 | 72 | 928 | 1 |
| **1. 7/8** | 66.5 | 53 | 32 | 72 | 936 | 1 |
| **1.15/16** | 68 | 53 | 32.5 | 72 | 941 | 1 |
| **2** | 70.5 | 53 | 37 | 72 | 976 | 1 |
| **2. 1/16** | 73 | 54 | 37 | 72 | 1027 | 1 |
| **2. 1/8** | 74 | 55 | 37 | 72 | 1016 | 1 |
| **2. 3/16** | 76.5 | 53 | 41 | 77 | 1192 | 1 |
| **2. 1/4** | 78 | 53 | 41 | 77 | 1177 | 1 |
| **2. 5/16** | 80.5 | 53 | 41 | 77 | 1292 | 1 |
| **2. 3/8** | 81.5 | 58 | 46 | 82 | 1440 | 1 |
| **2. 7/16** | 84 | 58 | 45 | 82 | 1495 | 1 |
| **2. 1/2** | 86.5 | 58 | 45 | 82 | 1497 | 1 |
| **2. 9/16** | 88 | 63 | 49 | 86 | 1683 | 1 |
| **2. 5/8** | 90.5 | 63 | 49 | 86 | 1840 | 1 |
| **2.11/16** | 91.5 | 63 | 49 | 86 | 1800 | 1 |
| **2. 3/4** | 94 | 68 | 50 | 88 | 1963 | 1 |
| **2.13/16** | 96.5 | 68 | 50 | 88 | 2035 | 1 |
| **2. 7/8** | 98 | 70 | 50 | 88 | 2100 | 1 |
| **2.15/16** | 100.5 | 73 | 53 | 90 | 2204 | 1 |
| **3** | 103 | 75 | 53 | 90 | 2406 | 1 |
| **3. 1/8** | 106.5 | 75 | 58 | 95 | 2550 | 1 |
| **3. 1/4** | 110.5 | 78 | 57 | 95 | 2730 | 1 |
| **3. 3/8** | 114 | 80 | 57 | 95 | 3050 | 1 |
| **3. 1/2** | 119 | 80 | 59 | 100 | 3420 | 1 |
| **3. 3/4** | 125.5 | 85 | 58 | 100 | 4900 | 1 |

## 8012M-80

Inhex Sockets
Vasos con Punta de Hexagonal

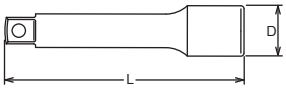
| 8012M.80 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **17** | 44.2 | 15.5 | 80 | 400 | 5 |
| **19** | 44.2 | 15.5 | 80 | 410 | 5 |
| **22** | 47.9 | 22.5 | 80 | 436 | 5 |
| **24** | 47.9 | 22.5 | 80 | 471 | 5 |
| **27** | 47.9 | 22.5 | 80 | 526 | 5 |
| **30** | 47.9 | 22.5 | 80 | 658 | 5 |
| **32** | 47.9 | 22.5 | 80 | 715 | 5 |
| **36** | 54.2 | 22.5 | 80 | 945 | 5 |




## 8760-200 • -400

Extension Bars
Alargaderas

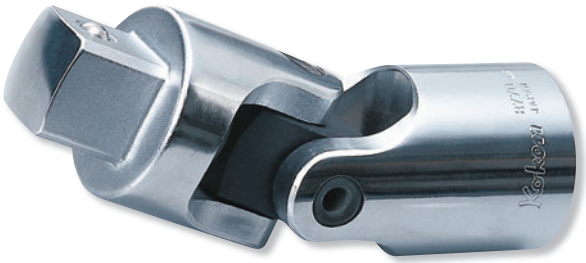
| 8760 | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **200** | 44 | 200 | 1300 | 1 |
| **400** | 44 | 400 | 2570 | 1 |

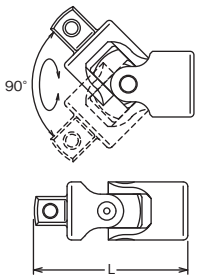



## 8770

Universal Joint
Articulación Universal

| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| **8770** | 143 | 1170 | 1 |

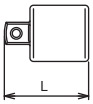


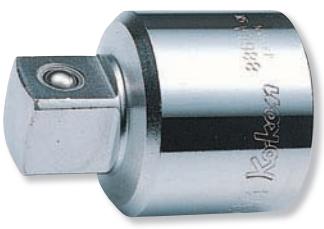



## 8866A

Adaptor Warranty 1850Nm
Adaptador Garantía 1850Nm

| | □ (mm) | ▫ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8866A** | 1" | 3/4" | 60 | 338 | 5 |



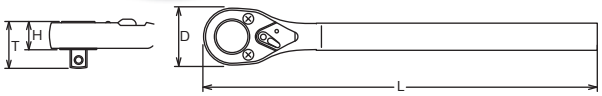



Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

## 8749 Reversible Ratchet / Llave de Carraca Reversible

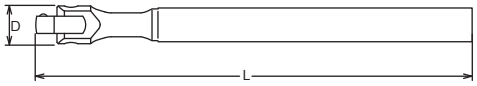
S.D.D.H.-System · 2 Two-Step Dog · 36




* Renewal Kits → 8749RK ➡P277

| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 8749 | 70 | 62.2 | 36.2 | 800 | 4090 | 1 |

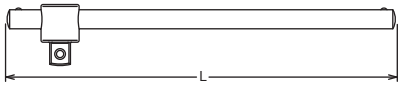
## 8768 Hinge Handle / Mango Articulado




* Renewal Kits → 8768RK ➡P278

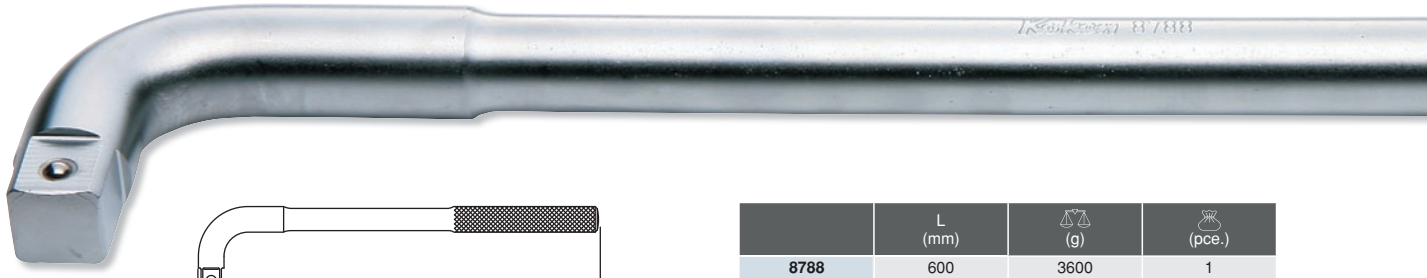
| | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 8768 | 55 | 600 | 3190 | 1 |

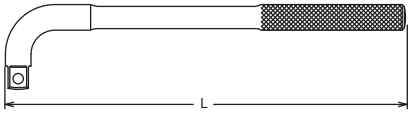
## 8785 T-Handle / Mango Corredizo



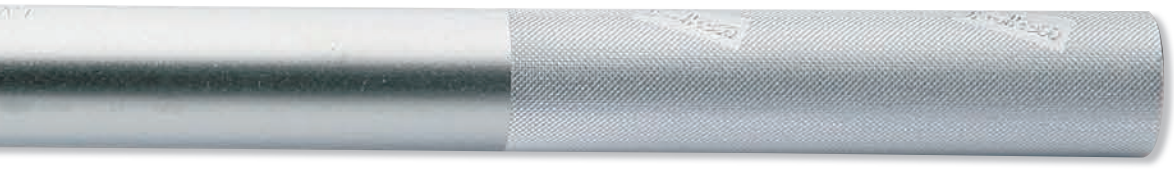

| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| 8785 | 550 | 3190 | 1 |

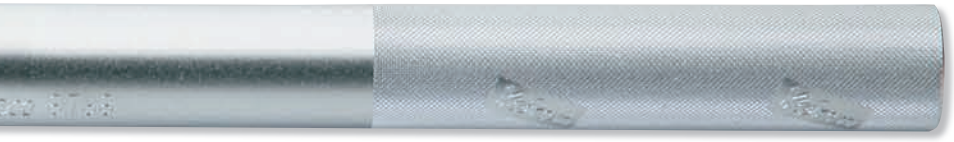
## 8788 L-Handle / Mango Acodado






| | L (mm) | (g) | (pce.) |
|---|---|---|---|
| 8788 | 600 | 3600 | 1 |





## 8200M · 8200A

Socket Sets
Juegos de Vasos

**8200M** 12 Pieces Set/⚖=18,600g

METAL CASE:W600×H150×T110mm

| Sockets | Accessories |
|---|---|
| **8405M** 12-pt. Sockets 35, 38, 41, 46, 50, 54, 58, 63 | **8760-200**<br>**8760-400**<br>**8770**<br>**8785** |

**8200A** 12 Pieces Set/⚖=18,600g

METAL CASE:W600×H150×T110mm

| Sockets | Accessories |
|---|---|
| **8405A** 12-pt. Sockets 1.7/16, 1.1/2, 1.5/8, 1.13/16, 2, 2.1/8, 2.1/4, 2.1/2 | **8760-200**<br>**8760-400**<br>**8770**<br>**8785** |

## 8225M

Socket Set
Juego de Vasos

**8225M** 15 Pieces Set/⚖=27,000g

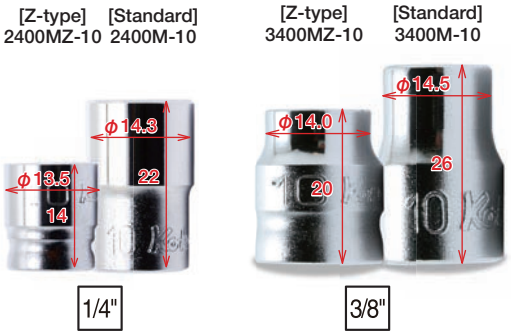
METAL CASE:W620×H217×T97mm

| Sockets | Accessories |
|---|---|
| **8405M** 12-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80 | **8749**<br>**8760-200**<br>**8760-400** |

Sockets in sets can be supplied in 6-pt. or 12-pt. format.

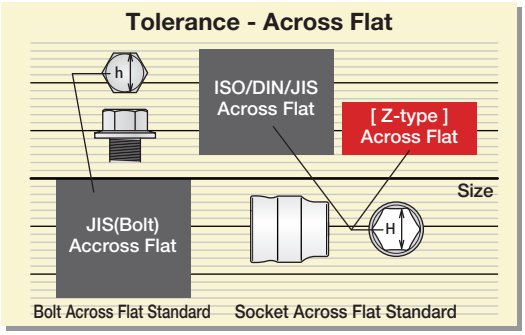
# Z-series

# Z-Series : Feature



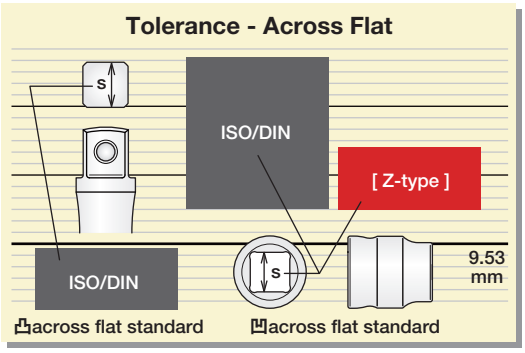

## COMPACT

2400MZ and 3400MZ are designed 5-9mm shorter than standard 2400M and 3400M. Ideal for working in confined and tight areas.



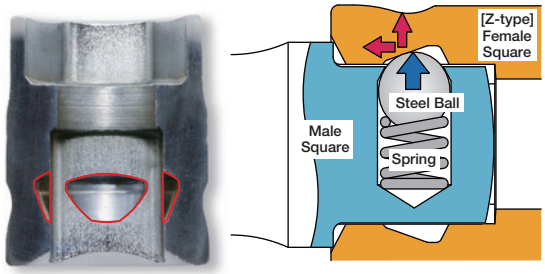

## TOLERANCE-Hexagon Opening

Ko-ken standard sockets are manufactured according to DIN/ISO standards. The tolerances of 2400MZ, 2300MZ, 3400MZ and 3300MZ sockets are precisely controlled to achieve a more positive fit between bolt and socket.



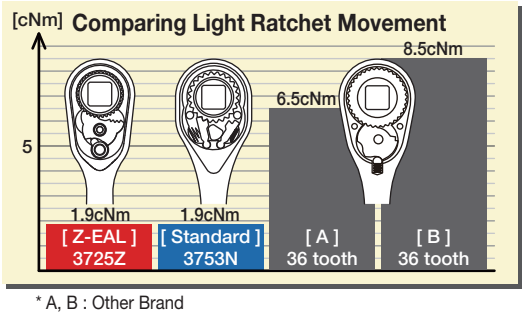

## TOLERANCE-Square Drive

Manufacturing tolerance of Male and Female Square are precisely controlled to achieve a more secure fit between Socket and Handle.




## BALL HOLDING GROOVE

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.



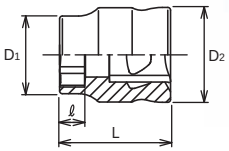

* A, B : Other Brand

## RATCHET HANDLE

Smaller head with 36 tooth gear and light ratchet movement allow working in narrow space and confined areas.

## 2400MZ

6-point Sockets
Vasos Hexagonales




| | 2400MZ (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **4** | 6.4 | 11 | 3 | 14 | 6 | 10 |
| New | **4.5** | 7 | 11 | 3 | 14 | 6 | 10 |
| New | **5** | 7.6 | 11 | 3 | 14 | 6 | 10 |
| New | **5.5** | 8.2 | 11 | 3.5 | 14 | 6 | 10 |
| New | **6** | 8.8 | 11 | 3.5 | 14 | 6 | 10 |
| New | **7** | 9.9 | 11 | 3.5 | 14 | 6 | 10 |
| New | **8** | 11.1 | 11.7 | 4.5 | 15 | 7 | 10 |
| New | **10** | 13.5 | 12.5 | 7 | 15 | 8 | 10 |
| New | **11** | 14.7 | 13.2 | 7 | 15 | 9 | 10 |
| New | **12** | 15.9 | 14.4 | 7 | 15 | 11 | 10 |
| New | **13** | 17.1 | 15.6 | 7 | 15 | 14 | 10 |
| New | **14** | 18.3 | 16.8 | 7 | 15 | 16 | 10 |

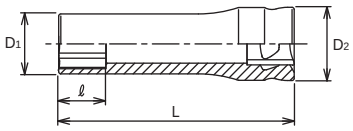
## RS2400MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

| | RS2400MZ/12 | 12 Pieces Set/Rail 200mm | (g) |
|---|---|---|---|
| New | **4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14** | | 228 |

## 2300MZ

6-point Deep Sockets
Vasos Hexagonales Largos




| | 2300MZ (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **4** | 6.4 | 11 | 5 | 50 | 14 | 10 |
| New | **4.5** | 7 | 11 | 5.5 | 50 | 16 | 10 |
| New | **5** | 7.6 | 11 | 6 | 50 | 16 | 10 |
| New | **5.5** | 8.2 | 11 | 6.5 | 50 | 16 | 10 |
| New | **6** | 8.8 | 11 | 7 | 50 | 17 | 10 |
| New | **7** | 9.9 | 11 | 8 | 50 | 20 | 10 |
| New | **8** | 11.1 | 11.7 | 9 | 50 | 22 | 10 |
| New | **10** | 13.5 | 12.5 | 11 | 50 | 29 | 10 |
| New | **11** | 14.7 | 13.2 | 12 | 50 | 33 | 10 |
| New | **12** | 15.9 | 14.4 | 13 | 50 | 40 | 10 |
| New | **13** | 17.1 | 15.6 | 14 | 50 | 45 | 10 |
| New | **14** | 18.3 | 16.8 | 16 | 50 | 51 | 10 |

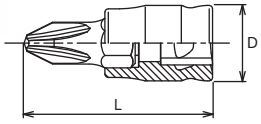
## RS2300MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

| | RS2300MZ/12 | 12 Pieces Set/Rail 200mm | (g) |
|---|---|---|---|
| New | **4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14** | | 445 |

## 2000Z-28

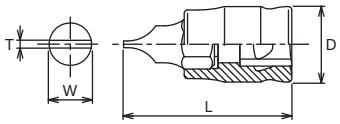
Phillips Bit Sockets
Vasos con Punta Phillips




| | 2000Z.28 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **1** | 11.2 | 28 | 9 | 10 |
| New | **2** | 11.2 | 28 | 10 | 10 |
| New | **3** | 11.2 | 28 | 10 | 10 |

## 2005Z-25

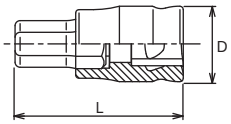
Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada




| | 2005Z.25 | T × W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| New | **5** | 1.0 × 5.5 | 11.2 | 25 | 9 | 10 |
| New | **6** | 1.2 × 6.5 | 11.2 | 25 | 10 | 10 |

## 2010MZ-25

Inhex Bit Sockets
Vasos con Punta Hexagonal




| | 2010MZ.25 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **3** | 11.2 | 25 | 9 | 10 |
| New | **4** | 11.2 | 25 | 9 | 10 |
| New | **5** | 11.2 | 25 | 10 | 10 |
| New | **6** | 11.2 | 25 | 10 | 10 |

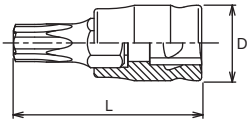
## RS20XXZ/9

Socket Set on Rail
Juego de Vasos en Regleta

| | RS20XXZ/9 | 9 Pieces Set/Rail 200mm | (g) |
|---|---|---|---|
| | **2000Z.28** | 1, 2, 3 | 213 |
| New | **2005Z.25** | 5, 6 | |
| | **2010MZ.25** | 3, 4, 5, 6 | |

## 2025Z-28

TORX® Bit Sockets
Vasos con Punta TORX®




| | 2025Z.28 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **T10** | 11.2 | 28 | 9 | 10 |
| New | **T15** | 11.2 | 28 | 9 | 10 |
| New | **T20** | 11.2 | 28 | 9 | 10 |
| New | **T25** | 11.2 | 28 | 10 | 10 |
| New | **T27** | 11.2 | 28 | 10 | 10 |
| New | **T30** | 11.2 | 28 | 10 | 10 |
| New | **T40** | 11.2 | 28 | 11 | 10 |

## RS2025Z/7-L28

Socket Set on Rail
Juego de Vasos en Regleta

| | RS2025Z/7-L28 | 7 Pieces Set/Rail 200mm | (g) |
|---|---|---|---|
| New | **T10, T15, T20, T25, T27, T30, T40** | | 195 |



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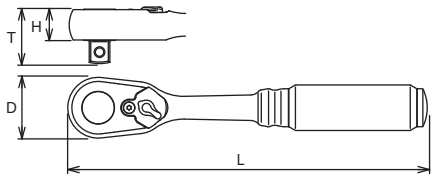
TORX® es una marca registrada de **Acument Intellectual Properties, LLC.**

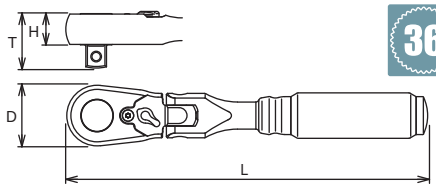



36

| | | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| New | **2725Z** | 20.5 | 17.1 | 9.5 | 114 | 79 | 1 |

* Renewal Kits→**2725RK** ➡P276

## 2725Z
Reversible Ratchet
Llave de Carraca Reversible




36

Flexible Head

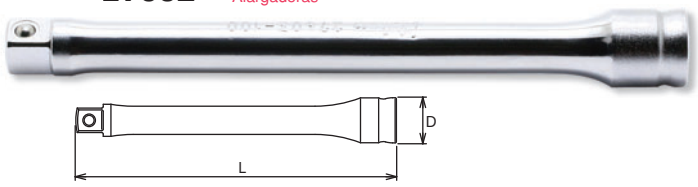
| | | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| New | **2726Z** | 20.5 | 17.1 | 9.5 | 114 | 103 | 1 |

* Renewal Kits→**2725RK** ➡P276

## 2726Z
Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)

| 2760Z | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New **50** | 11.5 | 50 | 21 | 10 |
| New **100** | 11.5 | 100 | 39 | 10 |
| New **150** | 11.5 | 150 | 58 | 10 |

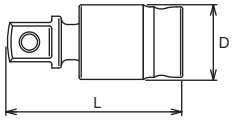
## 2760Z
Extension Bars
Alargaderas

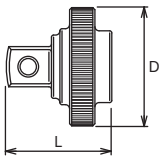


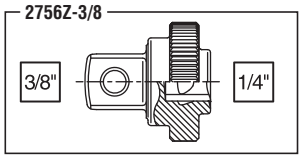



| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New **2771Z** | 11.7 | 29.9 | 15 | 10 |

## 2771Z
Universal Joint
Articulación Universal






| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New **2756Z** | 20.3 | 18 | 15 | 10 |
| New **2756Z-3/8** | 20.3 | 21.5 | 24 | 10 |

## 2756Z
## 2756Z-3/8
Quick Spinner
Disco de Giro Rápido

2756Z-3/8

New **P2285Z** 26 Pieces Set/⚖=660g

PLASTIC CASE:W245×H120×T45

| Sockets | Accessories |
|---|---|
| **2400MZ** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11,12, 13, 14 | **2725Z** |
| **2000Z.28** 1, 2, 3 | **2756Z** |
| **2005Z.25** 5, 6 | **2771Z** |
| **2010MZ.25** 3, 4, 5, 6 | **2760Z-50** |
| | **2760Z-150** |

## P2285Z
Socket Set
Juego de Vasos

New **2285ZE** 10 Pieces Set/⚖=300g

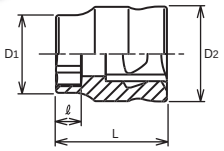
Rail 200mm/PLASTIC BAG

| Sockets | Accessories |
|---|---|
| **2400MZ** 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14 | **2725Z** |
| | **2756Z** |

## 2285ZE

## 3400MZ

6-point Sockets
Vasos Hexagonales




| 3400MZ (mm) | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5.5** | 8.5 | 17 | 3.5 | 19 | 16 | 10 |
| **6** | 9.1 | 17 | 3.5 | 19 | 17 | 10 |
| **7** | 10.3 | 17 | 3.5 | 19 | 17 | 10 |
| **8** | 11.5 | 17 | 4.5 | 20 | 17 | 10 |
| **10** | 14 | 17 | 4.5 | 20 | 18 | 10 |
| **11** | 15.3 | 17 | 5.5 | 21 | 18 | 10 |
| **12** | 16.5 | 17 | 5.5 | 21 | 19 | 10 |
| **13** | 17.8 | 17 | 8.5 | 21 | 19 | 10 |
| **14** | 19 | 17 | 8.5 | 21 | 20 | 10 |
| **15** | 20.2 | 18.2 | 8.5 | 21 | 24 | 10 |
| **16** | 21.3 | 19.3 | 8.5 | 21 | 28 | 10 |
| **17** | 22.5 | 20.5 | 8.5 | 21 | 32 | 10 |
| **18** | 23.6 | 21.6 | 9.5 | 22 | 38 | 10 |
| **19** | 24.8 | 22.8 | 9.5 | 22 | 41 | 10 |
| **21** | 27 | 25 | 10.5 | 23 | 51 | 10 |
| **22** | 28.3 | 26.3 | 10.5 | 23 | 58 | 10 |

3400MZ is designed 5-9mm shorter than standard 3400M.
Ideal for working in confined and tight areas.

## RS3400MZ/8
## RS3400MZ/12

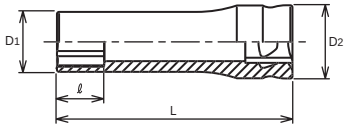
Socket Set on Rail
Juego de Vasos en Regleta

| RS3400MZ/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 10, 11, 12, 13, 14, 17, 19** | | 320 |

| RS3400MZ/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19** | | 490 |

## 3300MZ

6-point Deep Sockets
Vasos Hexagonales Largos




| 3300MZ (mm) | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7** | 10.3 | 17 | 8 | 55 | 29 | 10 |
| **8** | 11.5 | 17 | 9 | 55 | 34 | 10 |
| **10** | 14 | 17 | 11 | 55 | 43 | 10 |
| **11** | 15.3 | 17 | 12 | 55 | 45 | 10 |
| **12** | 16.5 | 17 | 13 | 55 | 49 | 10 |
| **13** | 17.8 | 17 | 14 | 55 | 52 | 10 |
| **14** | 19 | 17 | 16 | 55 | 55 | 10 |
| **15** | 20.2 | 18.2 | 16 | 55 | 65 | 10 |
| **16** | 21.3 | 19.3 | 17 | 55 | 74 | 10 |
| **17** | 22.5 | 20.5 | 18 | 55 | 83 | 10 |
| **18** | 23.6 | 21.6 | 19 | 55 | 90 | 10 |
| **19** | 24.8 | 22.8 | 20 | 55 | 95 | 10 |

## RS3300MZ/8
## RS3300MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

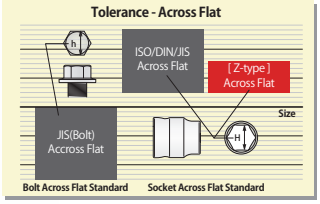
| RS3300MZ/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 10, 11, 12, 13, 14, 17, 19** | | 600 |

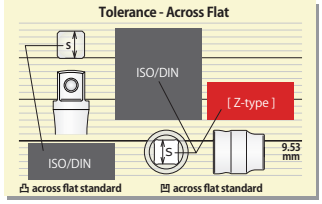
| RS3300MZ/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19** | | 900 |

## RS3X00MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

| RS3X00MZ/12 | 12 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **3400MZ** | **8, 10, 11, 12, 13, 14, 17, 19** | 550 |
| **3300MZ** | **8, 10, 12, 14** | |



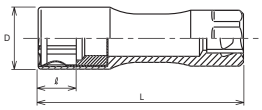

Manufacturing tolerance is precisely controlled to achieve a secure fitting.

## 3300CZ

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

| 3300CZ (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **14** | 18.4 | 11 | 70 | 67 | 10 |
| **16** | 20.5 | 13 | 70 | 71 | 10 |
| **18** | 22.9 | 12 | 70 | 75 | 10 |
| **20.8** | 26.3 | 13.5 | 70 | 105 | 10 |

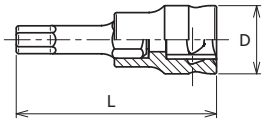
Slim & light weight body with smaller outside diameter for work in tight spaces.




## 3010MZ-50

Inhex Bit Sockets
Vasos con Punta Hexagonal

| 3010MZ.50 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 17 | 50 | 28 | 10 |
| **4** | 17 | 50 | 29 | 10 |
| **5** | 17 | 50 | 30 | 10 |
| **6** | 17 | 50 | 35 | 10 |
| **7** | 17 | 50 | 38 | 10 |
| **8** | 17 | 50 | 40 | 10 |
| **10** | 17 | 50 | 50 | 10 |
| **12** | 19 | 50 | 70 | 10 |




## RS3010MZ/8-L50

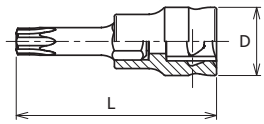
Socket Set on Rail
Juego de Vasos en Regleta

| RS3010MZ/8-L50 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **3, 4, 5, 6, 7, 8, 10, 12** | | 460 |

## 3025Z-50

TORX® Bit Sockets
Vasos con Punta TORX®

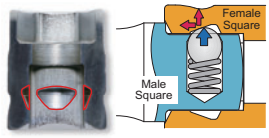
| 3025Z.50 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10** | 17 | 50 | 27 | 10 |
| **T15** | 17 | 50 | 28 | 10 |
| **T20** | 17 | 50 | 28 | 10 |
| **T25** | 17 | 50 | 29 | 10 |
| **T27** | 17 | 50 | 30 | 10 |
| **T30** | 17 | 50 | 31 | 10 |
| **T40** | 17 | 50 | 35 | 10 |
| **T45** | 17 | 50 | 38 | 10 |
| **T50** | 17 | 50 | 48 | 10 |
| **T55** | 19 | 50 | 70 | 10 |




## RS3025Z/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

| RS3025Z/8-L50 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **T20, T25 ,T27, T30, T40, T45, T50, T55** | | 450 |



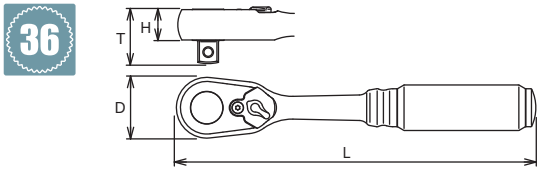

### BALL HOLDING GROOVE

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 2725Z-3/8

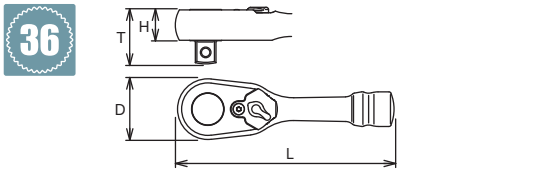
Reversible Ratchet Short
Llave de Carraca Reversible Corta




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| New 2725Z-3/8 | 20.5 | 20.5 | 9.5 | 114 | 83 | 1 |

## 3725ZS

Reversible Ratchet Short
Llave de Carraca Reversible Corta

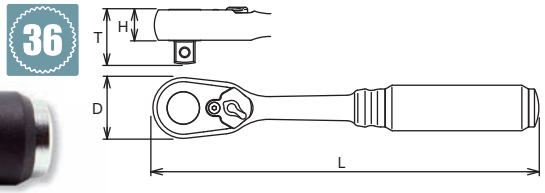



| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3725ZS | 28 | 24.5 | 13.7 | 100 | 157 | 1 |

* Renewal Kits → 3725RK ➔P276

## 3725Z

Reversible Ratchet
Llave de Carraca Reversible

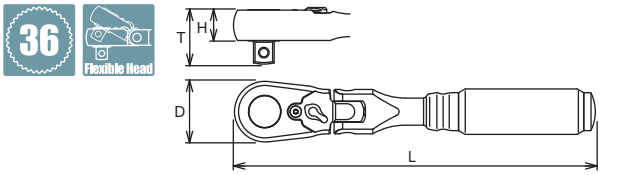



| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3725Z | 28 | 24.5 | 13.7 | 178 | 254 | 1 |

* Renewal Kits → 3725RK ➔P276

## 2726Z-3/8

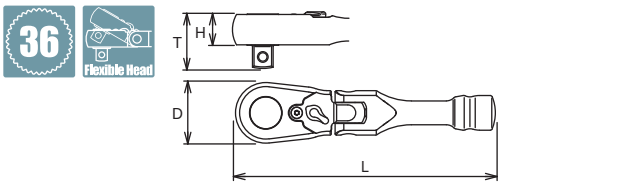
Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| New 2726Z-3/8 | 20.5 | 20.5 | 9.5 | 114 | 107 | 1 |

## 3726ZS

Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)

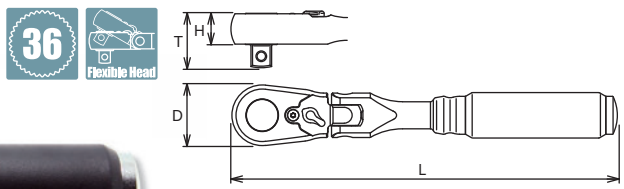



| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3726ZS | 28 | 24.5 | 13.7 | 120 | 196 | 1 |

* Renewal Kits → 3725RK ➔P276

## 3726Z

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible




| | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| 3726Z | 28 | 24.5 | 13.7 | 178 | 317 | 1 |

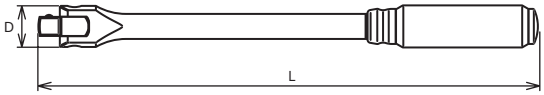
* Renewal Kits → 3725RK ➔P276

## 3768Z-250 Hinge Handle / Mango Articulado

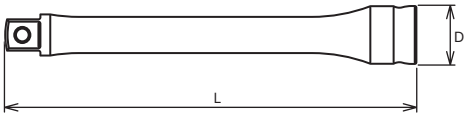
OVAL Shank

| | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 3768Z-250 | 20.5 | 250 | 309 | 1 |

* Renewal Kits→**3768ZRK** ➡P278



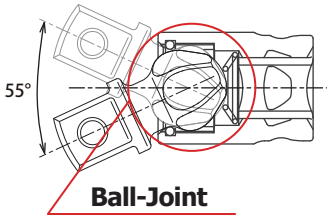

## 3760Z-75 · -125 · -250 Extension Bars / Alargaderas

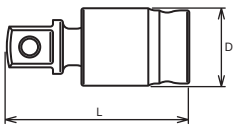


| 3760Z | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 75 | 17.5 | 75 | 66 | 10 |
| 125 | 17.5 | 125 | 103 | 10 |
| 250 | 17.5 | 250 | 195 | 5 |

## 3771Z Universal Joint / Articulación Universal

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3771Z | 18 | 42.5 | 44 | 10 |

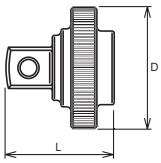


## 3756Z Quick Spinner / Disco de Giro Rápido

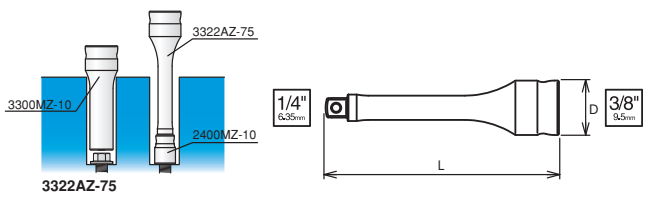
| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3756Z | 28 | 25 | 40 | 10 |

Outside diameter is smaller compared to standard 3756.
Ideal for working in combination with 3725Z



## 3322AZ-75 Extension Adaptor / Adaptador Alargadera

| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| New 3322AZ-75 | 17.5 | 75 | 42 | 10 |



## 3285Z Socket Set / Juego de Vasos

| 3285Z | 26 Pieces Set/⚖=2,100g |
|---|---|
| PLASTIC TRAY:W390×T180×H25 | |
| **Sockets** | **Accessories** |
| **3400MZ** 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22 | **3725Z** |
| **3300MZ** 6-pt. Deep Sockets 8, 10, 12, 14 | **3756Z** |
| **3300CZ** Spark Plug Sockets 14, 16, 20.8 | **3771Z** |
| | **3768Z-250** |
| | **3760Z-75** |
| | **3760Z-125** |
| | **3760Z-250** |

## 3285ZA Socket Set / Juego de Vasos

| 3285ZA | 15 Pieces Set/⚖=750g |
|---|---|
| PLASTIC TRAY:W300×T90×H25 | |
| **Sockets** | **Accessories** |
| **3400MZ** 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22 | **3725Z** |
| | **3756Z** |
| | **3771Z** |

## 3285ZE Socket Set / Juego de Vasos

| 3285ZE | 9 Pieces Set/⚖=600g |
|---|---|
| Rail 200mm/PLASTIC BAG | |
| **Sockets** | **Accessories** |
| **3400MZ** 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19 | **3725Z** |
| | **3756Z** |

## RSAL200-1/4×12 · -3/8×8 / RSAL300-3/8×12 · -1/2×10

Rail / Regleta

| | RSAL200 | ◹ | RAIL (mm) | CLIP (pcs.) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| New | **1/4×12** | 1/4" | 200 | 12 | 125 | 1 |
| | **3/8×8** | 3/8" | 200 | 8 | 130 | 1 |

| | RSAL300 | ◹ | RAIL (mm) | CLIP (pcs.) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| | **3/8×12** | 3/8" | 300 | 12 | 180 | 1 |
| New | **1/2×10** | 1/2" | 300 | 10 | 190 | 1 |

## RSAL-200 · -300 / CLIP.P/5-1/4 · -3/8 · -1/2

### RAIL

| | | RAIL (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|
| New | **RSAL200** | 200 | 110 | 1 |
| New | **RSAL300** | 300 | 145 | 1 |

### CLIP

| | CLIP.P/5 | ◹ | ⚖ (g) | (pce.) |
|---|---|---|---|---|
| New | **1/4** | 1/4" | 10 | 5 |
| New | **3/8** | 3/8" | 13 | 5 |
| New | **1/2** | 1/2" | 20 | 5 |

# Titanium Sockets

## TI4261M

Socket Set Titanium
Juego de Vasos de Titanio

| TI4261M | 18 Pieces Set/=4,280g |
|---|---|

WOODEN CASE:W445×H190×T60mm

| Sockets | Accessories |
|---|---|
| **TI4400M** 6-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27 | **TI4749J**<br>**TI4760-125**<br>**TI4760-250**<br>**TI4768J-380**<br>**TI4770** |

## Characteristic of Titanium

Light weight : Makes it effective for operating tools.The specific gravity is only about 58% of chrome molybdenum steel which is used for our normal products.
Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.
Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

## Características del Titanio

Peso ligero : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo el 58% del acero al cromo-molibdeno de nuestros productos normales.
No se oxida : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase de productos químicos.
No es magnético : Material paramagnético que evita la magnetización de las herramientas.

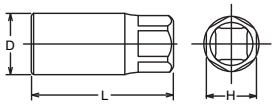
Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

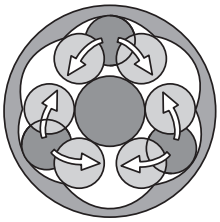
El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.

# Accessories

## 4100M · 4100A

Screw and Stud Pullers
Extractores de Espárragos y Tornillos



**Screw and Stud Pullers**
Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

**Extractores de Tornillos y Espárragos**
El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.

| 4100M (mm) | | D (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5** | 1/2" | 24 | 65 | 21 | 145 | 10 |
| **6** | | 24 | 65 | 21 | 150 | 10 |
| **7** | | 24 | 65 | 21 | 150 | 10 |
| **8** | | 24 | 65 | 21 | 147 | 10 |
| **9** | | 28 | 75 | 21 | 217 | 10 |
| **10** | | 28 | 75 | 21 | 213 | 10 |
| **10.5** | | 28 | 75 | 21 | 202 | 10 |
| **11** | | 28 | 75 | 21 | 218 | 10 |
| **12** | | 28 | 75 | 21 | 220 | 10 |
| **14** | | 34 | 75 | 27 | 340 | 5 |
| **16** | –⚠ | 34 | 75 | 27 | 315 | 5 |

| 4100A (inch) | | D (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 1/2" | 24 | 65 | 21 | 150 | 10 |
| **5/16** | | 24 | 65 | 21 | 147 | 10 |
| **3/8** | | 28 | 75 | 21 | 213 | 10 |
| **7/16** | | 28 | 75 | 21 | 218 | 10 |
| **1/2** | | 28 | 75 | 21 | 191 | 10 |
| **9/16** | | 34 | 75 | 27 | 340 | 5 |
| **5/8** | –⚠ | 34 | 75 | 27 | 315 | 5 |

* Renewal Kits → **4100RK** ➡P279

⚠ 4100M-16 and 4100A-5/8 do not have 1/2" square drive.
Drive the outer hexagon part with 27mm sockets or ring wrenches.

4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2"
Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

Tolerance/Tolerancia

| 4100M (mm) | | 4100A (inch) | |
|---|---|---|---|
| **5** | 4.7- 5 | **1/4** | 6 - 6.4 |
| **6** | 5.6- 6 | **5/16** | 7.6- 8 |
| **7** | 6.6- 7 | **3/8** | 9 - 9.6 |
| **8** | 7.6- 8 | **7/16** | 10.5-11.1 |
| **9** | 8.4- 9 | **1/2** | 12.1-12.7 |
| **10** | 9.4-10 | **9/16** | 13.5-14.3 |
| **10.5** | 9.9-10.5 | **5/8** | 15.2-16 |
| **11** | 10.4-11 | | |
| **12** | 11.4-12 | | |
| **14** | 13.2-14 | | |
| **16** | 15.2-16 | | |

## 4211M · 4211A

Screw and Stud Pullers Sets
Juegos de Extractores de Tornillos y Espárragos

**4211M** 4 Pieces Set/⚖=1,040g
METAL CASE:W215×H80×T47mm
PULLER
**4100M** Stud Pullers
6, 8, 10, 12

**4211A** 4 Pieces Set/⚖=1,040g
METAL CASE:W215×H80×T47mm
PULLER
**4100A** Stud Pullers
1/4, 5/16, 3/8, 1/2

## 4214M

Screw and Stud Pullers Set
Juegos de Extractores de Tornillos y Espárragos

**4214M** 5 Pieces Set/⚖=1,450g
METAL CASE:W215×H80×T47mm
PULLER
**4100M** Stud Pullers
6, 8, 10, 12, 14

| 6100M (mm) | | D (mm) | L (mm) | H (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **18** | 3/4" | 48 | 100 | 36 | 840 | 1 |
| **20** | | 48 | 100 | 36 | 816 | 1 |
| **22** | | 48 | 100 | 36 | 745 | 1 |
| **24** | | 48 | 100 | 36 | 739 | 1 |
| **27** | | 63 | 125 | 46 | 1707 | 1 |
| **28** | | 63 | 125 | 46 | 1701 | 1 |
| **29** | | 63 | 125 | 46 | 1696 | 1 |
| **30** | | 63 | 125 | 46 | 1691 | 1 |

* Renewal Kits → **6100RK** ➡P279

⚠ 6100M-22 to -30 do not have 3/4" square drive.
Drive the outer hexagon part with sockets or ring wrenches
(size 22-24mm = 36H, 27-30mm = 46H).

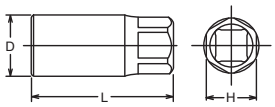
6100M-22-30 no tienen conductores cuadrados de 3/4"
Apretar la parte hexagonal exterior con vasos o llaves de tuerca
(medidas 22-24mm = 36H, 27-30mm = 46H)

Tolerance/Tolerancia

| 6100M (mm) | |
|---|---|
| **18** | 16.9-18 |
| **20** | 18.8-20 |
| **22** | 20.8-22 |
| **24** | 22.7-24 |
| **27** | 25.7-27 |
| **28** | 26.7-28 |
| **29** | 27.6-29 |
| **30** | 28.6-30 |

## 6100M

Screw and Stud Pullers
Extractores de Tornillos y Espárragos



| 14100M (mm) | | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 1/2" | 24 | 25 | 48 | 126 | 10 | *1 |
| **7** | | 24 | 25 | 48 | 126 | 10 | *1 |
| **8** | | 24 | 25 | 48 | 122 | 10 | *1 |
| **9** | | 28 | 30 | 48 | 181 | 10 | *2 |
| **10** | | 28 | 30 | 48 | 181 | 10 | *2 |
| **12** | | 28 | 30 | 48 | 175 | 10 | *2 |

| 14100A (inch) | | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 1/2" | 24 | 25 | 48 | 126 | 10 | *1 |
| **5/16** | | 24 | 25 | 48 | 122 | 10 | *1 |
| **3/8** | | 28 | 30 | 48 | 181 | 10 | *2 |
| **7/16** | | 28 | 30 | 48 | 181 | 10 | *2 |
| **1/2** | | 28 | 30 | 48 | 180 | 10 | *2 |

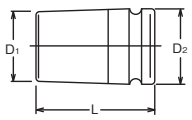
*1 C-Ring=1401C,Pin/O-Ring=1401A/B
*2 C-Ring=1402C,Pin/O-Ring=1402A/B ➡P232-233

Tolerance/Tolerancia

| 14100M (mm) | | 14100A (inch) | |
|---|---|---|---|
| **6** | 5.6- 6 | **1/4** | 6 - 6.4 |
| **7** | 6.6- 7 | **5/16** | 7.6- 8 |
| **8** | 7.6- 8 | **3/8** | 9 - 9.6 |
| **9** | 8.4- 9 | **7/16** | 10.5-11.1 |
| **10** | 9.4-10 | **1/2** | 12.1-12.7 |
| **12** | 11.4-12 | | |

## 14100M · 14100A

IMPACT Screw and Stud Pullers
Extractores de Tornillos y Espárragos de IMPACTO



## 141S
Stud Puller Ratchets
Extractores de Espárragos de Carraca

| 141S (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 120 | 150 | 1 |
| **8** | 28 | 120 | 150 | 1 |
| **10** | 32 | 120 | 153 | 1 |
| **12** | 32 | 120 | 152 | 1 |

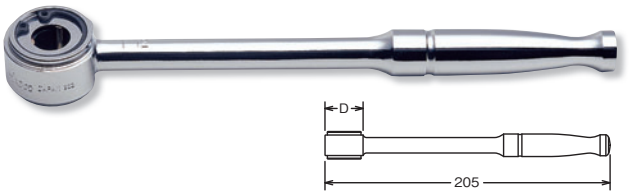
| 141S (inch) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **5/16** | 28 | 120 | 150 | 1 |
| **3/8** | 32 | 120 | 153 | 1 |
| **1/2** | 32 | 120 | 152 | 1 |

## 141
Stud Puller Ratchets
Extractores de Espárragos de Carraca

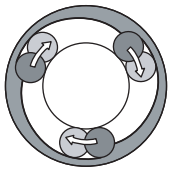
| 141 (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 205 | 215 | 1 |
| **8** | 28 | 205 | 215 | 1 |
| **10** | 32 | 205 | 234 | 1 |
| **12** | 32 | 205 | 233 | 1 |

| 141 (inch) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **5/16** | 28 | 205 | 215 | 1 |
| **3/8** | 32 | 205 | 234 | 1 |
| **1/2** | 32 | 205 | 233 | 1 |

## 141P
Stud Puller Ratchets
Extractores de Espárragos de Carraca




| 141P (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 205 | 210 | 1 |
| **8** | 28 | 205 | 210 | 1 |
| **10** | 32 | 205 | 229 | 1 |
| **12** | 32 | 205 | 227 | 1 |



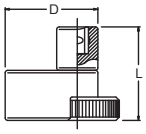
The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño.

## 1201
Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca

| 1201 | 4 Pieces Set/=973g |
|---|---|
| METAL CASE:W240×H100×T32mm | |
| PULLER | |
| **141S** Stud Puller Ratchet 6, 8, 10, 12 | |

## 4104
Screw and Stud Puller
Extractor de Tornillos y Espárragos

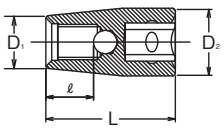



| | | Tolerance | | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| | | min | max | | | | |
| **4104** | 1/2" | ϕ6 | ϕ19 | 54 | 56 | 489 | 2 |

## 4103M

Stud Bolt Setters
Vasos para apretar pernos

| 4103M (mm) | □ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| 6(1.0) | 1/2" | 10.3 | 22 | 10 | 37 | 54 | 10 |
| 7(1.0) | | 11.5 | 22 | 10.6 | 37 | 58 | 10 |
| 8(1.25) | | 13.2 | 22 | 11.5 | 37 | 60 | 10 |
| 10(1.25) | | 15.3 | 23 | 13.5 | 44 | 86 | 10 |
| 10(1.5) | | 15.3 | 23 | 13.5 | 44 | 86 | 10 |
| 12(1.25) | | 17.8 | 23 | 15.5 | 44 | 86 | 10 |
| 12(1.75) | | 17.8 | 23 | 15.5 | 44 | 86 | 10 |

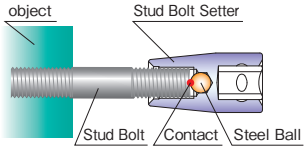


## 4203M
## 4203MF

Stud Bolt Setters Set
Juego de Vasos para apretar Pernos

**4203M** 4 Pieces Set/=530g
METAL CASE:W130×H65×T26mm
Stud Bolt Setter
**4103M** Stud Bolt Setters
6(1.0), 8(1.25), 10(1.5), 12(1.75)

**4203MF** 4 Pieces Set/=530g
METAL CASE:W130×H65×T26mm
Stud Bolt Setter
**4103M** Stud Bolt Setters
6(1.0), 8(1.25), 10(1.25), 12(1.25)



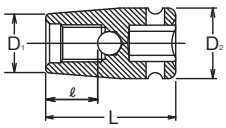

A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

## 13103M

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto

| 13103M (mm) | □ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 5(0.8) | 3/8" | 9.5 | 19 | 9 | 32 | 39 | 10 | *1 |
| 6(1.0) | | 10.8 | 19 | 10 | 32 | 41 | 10 | *1 |
| 7(1.0) | | 12.5 | 19 | 11 | 32 | 44 | 10 | *1 |
| 8(1.25) | | 13.5 | 19 | 10.5 | 35 | 49 | 10 | *1 |
| 10(1.25) | | 15.8 | 19 | 13.5 | 35 | 49 | 10 | *1 |
| 10(1.5) | | 15.8 | 19 | 13.5 | 35 | 49 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

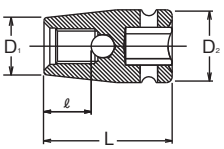


## 14103M

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto

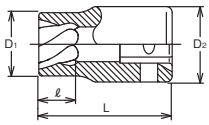
| 14103M (mm) | □ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 6(1.0) | 1/2" | 12 | 25 | 10 | 38 | 75 | 10 | *1 |
| 7(1.0) | | 13.2 | 25 | 11 | 38 | 78 | 10 | *1 |
| 8(1.25) | | 14.5 | 25 | 11.5 | 38 | 81 | 10 | *1 |
| 10(1.25) | | 17 | 25 | 13.5 | 44 | 106 | 10 | *1 |
| 10(1.5) | | 17 | 25 | 13.5 | 44 | 106 | 10 | *1 |
| 12(1.25) | | 19.5 | 25 | 15.5 | 44 | 107 | 10 | *1 |
| 12(1.75) | | 19.5 | 25 | 15.5 | 44 | 107 | 10 | *1 |
| 14(1.5) | | 22 | 25 | 18.2 | 44 | 128 | 10 | *1 |
| 14(2.0) | | 22 | 25 | 18.2 | 44 | 128 | 10 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233



## 2127

NUTTWISTER®
AFLOJA TUERCAS




| 2127 (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **4** | 1/4" | 7 | 13 | 4 | 23 | 14 | 10 |
| **4.5** | | 7.4 | 13 | 4 | 23 | 14 | 10 |
| **5** | | 8 | 13 | 5 | 23 | 14 | 10 |
| **5.5** | | 8.8 | 13 | 5 | 23 | 14 | 10 |
| **6** | | 9.5 | 13 | 6 | 23 | 14 | 10 |
| **7** | | 10.9 | 13 | 6 | 23 | 14 | 10 |
| **8** | | 11.5 | 13 | 8 | 23 | 14 | 10 |
| **9** | | 13 | 13 | 8 | 23 | 15 | 10 |
| **9.5** | | 13.8 | 13 | 10 | 23 | 16 | 10 |
| **10** | | 14.8 | 13 | 10 | 23 | 17 | 10 |

## RS2127/6

Socket Set on Rail
Juego de Vasos en Regleta

| RS2127/6 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **4, 4.5, 5, 5.5, 6, 7** | | 105 |

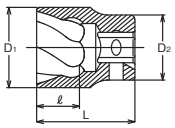
## RS2127/10

Socket Set on Rail
Juego de Vasos en Regleta

| RS2127/10 | 10 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5,10** | | 180 |

## 3127

NUTTWISTER®
AFLOJA TUERCAS




| 3127 (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **8** | 3/8" | 11.5 | 19 | 8 | 32 | 40 | 10 |
| **9** | | 13 | 19 | 8 | 32 | 40 | 10 |
| **9.5** | | 13.8 | 19 | 8 | 32 | 41 | 10 |
| **10** | | 14.8 | 19 | 10 | 32 | 41 | 10 |
| **11** | | 16 | 19 | 10 | 32 | 43 | 10 |
| **12** | | 17 | 19 | 12 | 32 | 44 | 10 |
| **13** | | 18.5 | 19 | 12 | 32 | 46 | 10 |
| **14** | | 19.7 | 19 | 14 | 32 | 48 | 10 |
| **15** | | 20.7 | 19 | 14 | 32 | 52 | 10 |
| **16** | | 22.2 | 22 | 14 | 32 | 66 | 10 |
| **17** | | 23.5 | 22 | 16 | 35 | 80 | 10 |
| **19** | | 26 | 22 | 16 | 35 | 92 | 10 |

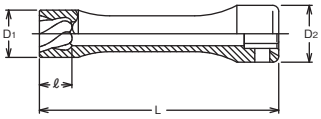
## RS3127/8

Socket Set on Rail
Juego de Vasos en Regleta

| RS3127/8 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **8, 9, 10, 11, 12, 13, 14, 16** | | 420 |

## 3128-80

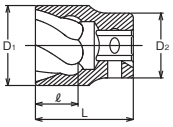
NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)




| 3128.80 (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **8** | 3/8" | 13 | 19 | 6 | 80 | 58 | 10 |
| **9** | | 14.5 | 19 | 6 | 80 | 61 | 10 |
| **10** | | 15.8 | 19 | 8 | 80 | 66 | 10 |
| **11** | | 17.2 | 19 | 8 | 80 | 70 | 10 |
| **12** | | 18.5 | 19 | 10 | 80 | 77 | 10 |
| **13** | | 19.7 | 19 | 10 | 80 | 80 | 10 |
| **14** | | 21 | 19 | 12 | 80 | 82 | 10 |

## 4127

NUTTWISTER®
AFLOJA TUERCAS



| 4127 (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 1/2" | 19.7 | 30 | 14 | 42 | 125 | 10 |
| **17** | | 23.5 | 30 | 16 | 42 | 137 | 10 |
| **19** | | 26 | 30 | 16 | 42 | 146 | 10 |
| **21** | | 28 | 30 | 17 | 42 | 153 | 10 |
| **22** | | 29.5 | 30 | 17 | 42 | 158 | 10 |
| **24** | | 32 | 30 | 18 | 42 | 174 | 10 |
| **25.4** | | 33.5 | 30 | 18 | 42 | 183 | 10 |

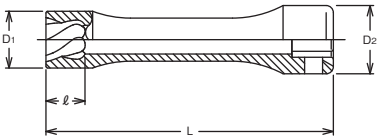
## RS4127/6

Socket Set on Rail
Juego de Vasos en Regleta

| RS4127/6 — 6 Pieces Set/Rail 200mm | (g) |
|---|---|
| **17, 19, 21, 22, 24, 25.4** | 960 |

## 4128-120

NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)

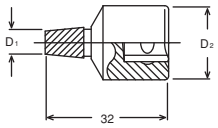



| 4128.120 (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **17** | 1/2" | 25.8 | 30 | 16 | 120 | 227 | 10 |
| **19** | | 28.4 | 30 | 16 | 120 | 247 | 10 |
| **21** | | 31 | 30 | 17 | 120 | 262 | 10 |
| **22** | | 32 | 30 | 17 | 120 | 259 | 10 |

A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afiladas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.

## 3129-32 BOLTTWISTER® AFLOJA PERNOS

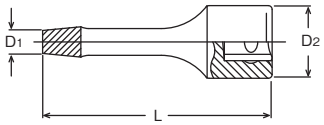



| 3129.32 (mm) | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2** | 3/8" | 2 | 19 | 32 | 32 | 10 |
| **3** | | 3 | 19 | 32 | 33 | 10 |
| **4** | | 4 | 19 | 32 | 33 | 10 |
| **6** | | 6 | 19 | 32 | 35 | 10 |
| **8** | | 8 | 19 | 32 | 37 | 10 |
| **10** | | 10 | 19 | 32 | 40 | 10 |

## RS3129/6-L32 Socket Set on Rail / Juego de Vasos en Regleta

| RS3129/6-L32 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **2, 3, 4, 6, 8, 10** | | 250 |

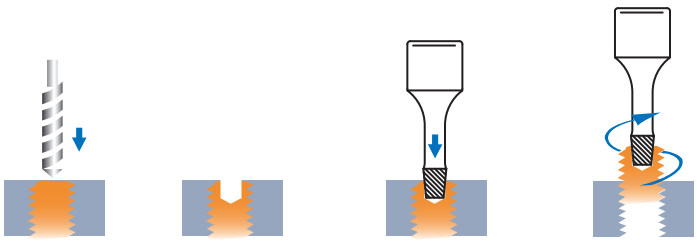
## 3129-60 BOLTTWISTER® AFLOJA PERNOS




| 3129.60 (mm) | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **2** | 3/8" | 2 | 19 | 60 | 38 | 10 |
| **3** | | 3 | 19 | 60 | 42 | 10 |
| **4** | | 4 | 19 | 60 | 44 | 10 |
| **6** | | 6 | 19 | 60 | 47 | 10 |
| **8** | | 8 | 19 | 60 | 53 | 10 |
| **10** | | 10 | 19 | 60 | 64 | 10 |

## RS3129/6-L60 Socket Set on Rail / Juego de Vasos en Regleta

| RS3129/6-L60 | 6 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| **2, 3, 4, 6, 8, 10** | | 320 |



Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

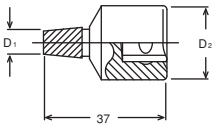
Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER® presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

| BOLTTWISTER | Bolt size | Drill size |
|---|---|---|
| 2 | M5 | ϕ 2.4– 2.6 |
| 3 | M6 | ϕ 3.2– 3.5 |
| 4 | M8 | ϕ 4.2– 4.5 |
| 6 | M10–M12 | ϕ 6.2– 6.5 |
| 8 | M14–M16 | ϕ 8.2– 8.5 |
| 10 | M18–M20 | ϕ10.2–10.5 |
| 12 | M22–M24 | ϕ12.2–12.5 |
| 14 | M27–M30 | ϕ14.2–14.5 |
| 16 | M33 | ϕ16.2–16.5 |

## 4129-37

BOLTTWISTER®
AFLOJA PERNOS

| 4129.37 (mm) | ☐ | $D_1$ (mm) | $D_2$ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 1/2" | 8 | 24 | 37 | 59 | 10 |
| **10** | | 10 | 24 | 37 | 63 | 10 |
| **12** | | 12 | 24 | 37 | 67 | 10 |
| **14** | | 14 | 24 | 37 | 72 | 10 |
| **16** | | 16 | 24 | 37 | 78 | 10 |



## RS4129/5-L37

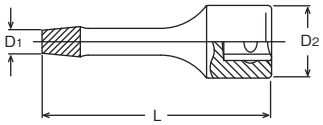
Socket Set on Rail
Juego de Vasos en Regleta

| RS4129/5-L37 | 5 Pieces Set/Rail 150mm | ⚖ (g) |
|---|---|---|
| **8, 10, 12, 14, 16** | | 370 |

## 4129-75

BOLTTWISTER®
AFLOJA PERNOS

| 4129.75 (mm) | ☐ | $D_1$ (mm) | $D_2$ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 1/2" | 8 | 24 | 75 | 80 | 10 |
| **10** | | 10 | 24 | 75 | 94 | 10 |
| **12** | | 12 | 24 | 75 | 110 | 10 |
| **14** | | 14 | 24 | 75 | 130 | 10 |
| **16** | | 16 | 24 | 75 | 150 | 10 |



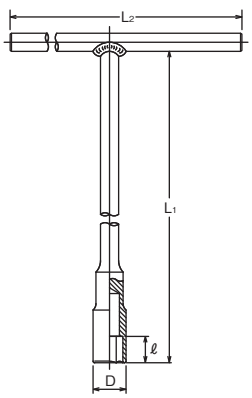

## RS4129/5-L75

Socket Set on Rail
Juego de Vasos en Regleta

| RS4129/5-L75 | 5 Pieces Set/Rail 150mm | ⚖ (g) |
|---|---|---|
| **8, 10, 12, 14, 16** | | 600 |

## 156M

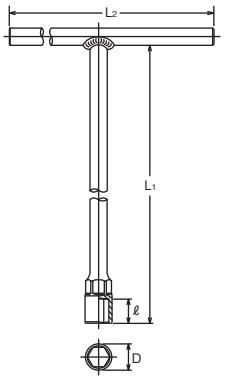
6-Point Deep Hexagonal Larga

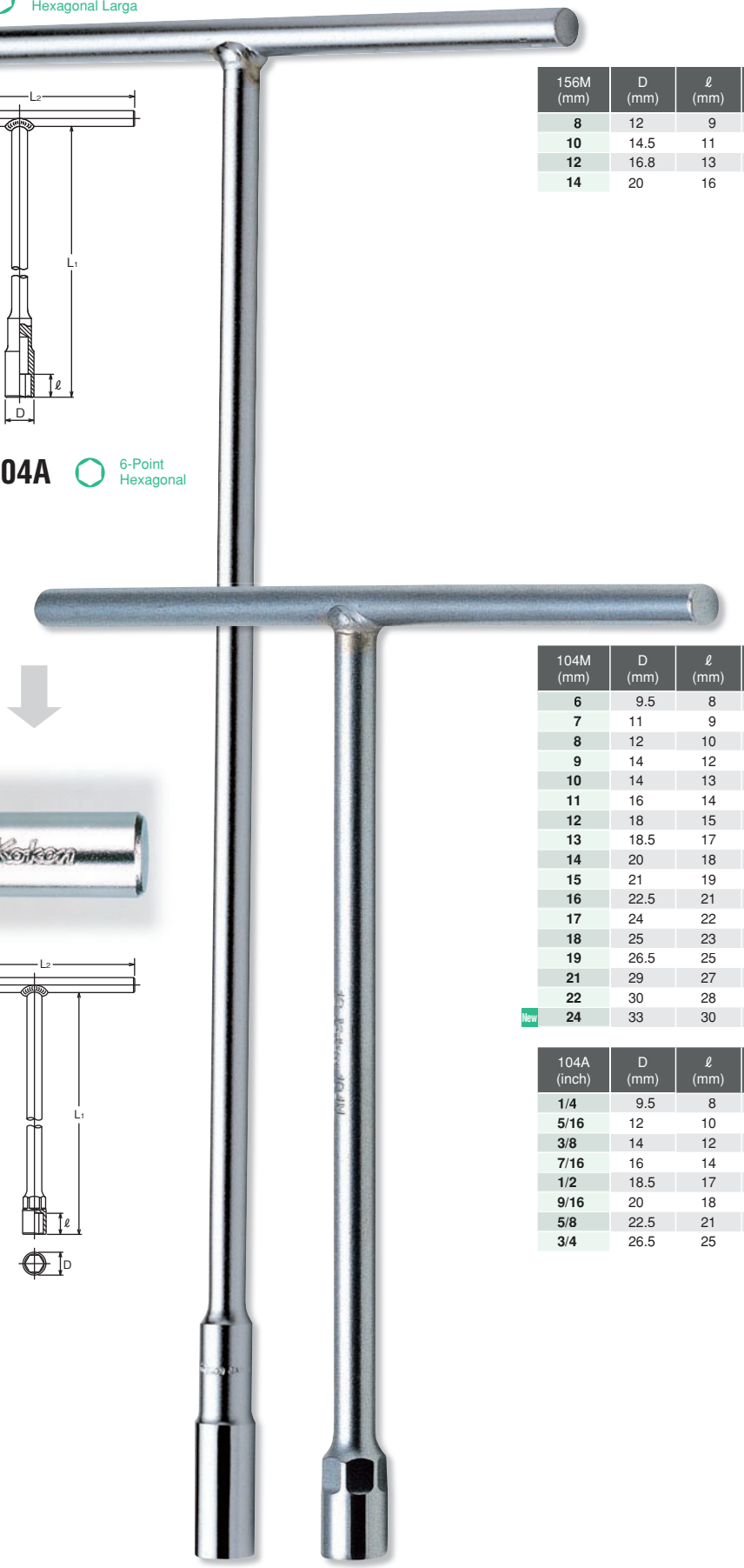



| 156M (mm) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 9 | 355 | 200 | 231 | 1 |
| **10** | 14.5 | 11 | 355 | 200 | 289 | 1 |
| **12** | 16.8 | 13 | 355 | 200 | 429 | 1 |
| **14** | 20 | 16 | 355 | 200 | 454 | 1 |

## 104M · 104A

6-Point Hexagonal



| 104M (mm) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **6** | 9.5 | 8 | 200 | 180 | 150 | 1 |
| **7** | 11 | 9 | 200 | 180 | 152 | 1 |
| **8** | 12 | 10 | 250 | 200 | 183 | 1 |
| **9** | 14 | 12 | 250 | 200 | 188 | 1 |
| **10** | 14 | 13 | 250 | 200 | 230 | 1 |
| **11** | 16 | 14 | 250 | 200 | 234 | 1 |
| **12** | 18 | 15 | 250 | 250 | 384 | 1 |
| **13** | 18.5 | 17 | 300 | 250 | 412 | 1 |
| **14** | 20 | 18 | 300 | 250 | 428 | 1 |
| **15** | 21 | 19 | 300 | 250 | 443 | 1 |
| **16** | 22.5 | 21 | 350 | 300 | 528 | 1 |
| **17** | 24 | 22 | 350 | 300 | 707 | 1 |
| **18** | 25 | 23 | 350 | 300 | 707 | 1 |
| **19** | 26.5 | 25 | 350 | 300 | 717 | 1 |
| **21** | 29 | 27 | 350 | 300 | 1070 | 1 |
| **22** | 30 | 28 | 350 | 300 | 1062 | 1 |
| New **24** | 33 | 30 | 350 | 300 | 1140 | 1 |

| 104A (inch) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **1/4** | 9.5 | 8 | 200 | 180 | 150 | 1 |
| **5/16** | 12 | 10 | 250 | 200 | 183 | 1 |
| **3/8** | 14 | 12 | 250 | 200 | 188 | 1 |
| **7/16** | 16 | 14 | 250 | 200 | 234 | 1 |
| **1/2** | 18.5 | 17 | 300 | 250 | 412 | 1 |
| **9/16** | 20 | 18 | 300 | 250 | 428 | 1 |
| **5/8** | 22.5 | 21 | 350 | 300 | 528 | 1 |
| **3/4** | 26.5 | 25 | 350 | 300 | 717 | 1 |

## 3116M

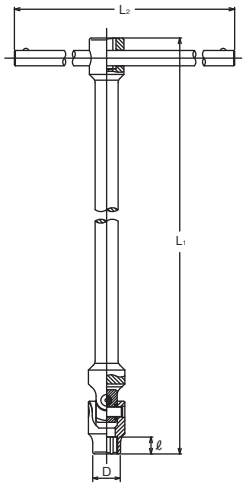
Universal with 6-point Socket
Con articulación universal con Vaso Hexagonal

| 3116M (mm) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **10** | 14.5 | 8 | 800 | 190 | 796 | 1 |
| **12** | 17 | 10.3 | 800 | 190 | 797 | 1 |
| **13** | 18 | 11.3 | 800 | 190 | 797 | 1 |
| **14** | 19.5 | 11.3 | 800 | 190 | 797 | 1 |
| **15** | 21 | 12.8 | 800 | 190 | 799 | 1 |
| **16** | 22 | 12.8 | 800 | 190 | 806 | 1 |
| **17** | 23.6 | 13.8 | 800 | 190 | 801 | 1 |
| **18** | 24 | 13.8 | 800 | 190 | 809 | 1 |

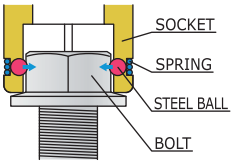
## 124M-600 (2B)

Ball Joint plus Nut Grip Socket
Con articulación de rótula y Vaso Sujeta Tuerca

| 124M.600 (mm) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **8(2B)** | 12 | 5 | 600 | 200 | 332 | 1 |
| **10(2B)** | 14.5 | 6 | 600 | 200 | 334 | 1 |
| **12(2B)** | 16.8 | 7 | 600 | 200 | 424 | 1 |
| **13(2B)** | 18 | 8 | 600 | 200 | 425 | 1 |
| **14(2B)** | 19.5 | 8.5 | 600 | 200 | 527 | 1 |
| **17(2B)** | 23.3 | 9.5 | 600 | 200 | 538 | 1 |



### NUT GRIP®




Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

## 157H

For Inhex Screws
Para Tornillos de Seis Lados en el Interior (Inhex)

| | 157H (mm) | $L_1$ (mm) | $L_2$ (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| | **3** | 160 | 100 | 57 | 1 |
| | **4** | 200 | 120 | 70 | 1 |
| | **5** | 250 | 160 | 90 | 1 |
| | **6** | 300 | 190 | 147 | 1 |
| New | **7** | 300 | 190 | 193 | 1 |
| | **8** | 300 | 190 | 245 | 1 |
| | **10** | 300 | 190 | 433 | 1 |
| New | **12** | 320 | 210 | 662 | 1 |
| New | **14** | 340 | 220 | 879 | 1 |
| New | **17** | 340 | 220 | 1369 | 1 |

## 157T (T)

For TORX® Screws
Para Tornillos TORX®

| | 157T (T) | $L_1$ (mm) | $L_2$ (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| New | **T25** | 250 | 180 | 95 | 1 |
| New | **T27** | 250 | 180 | 96 | 1 |
| New | **T30** | 250 | 180 | 167 | 1 |
| New | **T40** | 250 | 180 | 168 | 1 |
| New | **T45** | 250 | 180 | 213 | 1 |
| New | **T50** | 250 | 180 | 215 | 1 |

## 157P

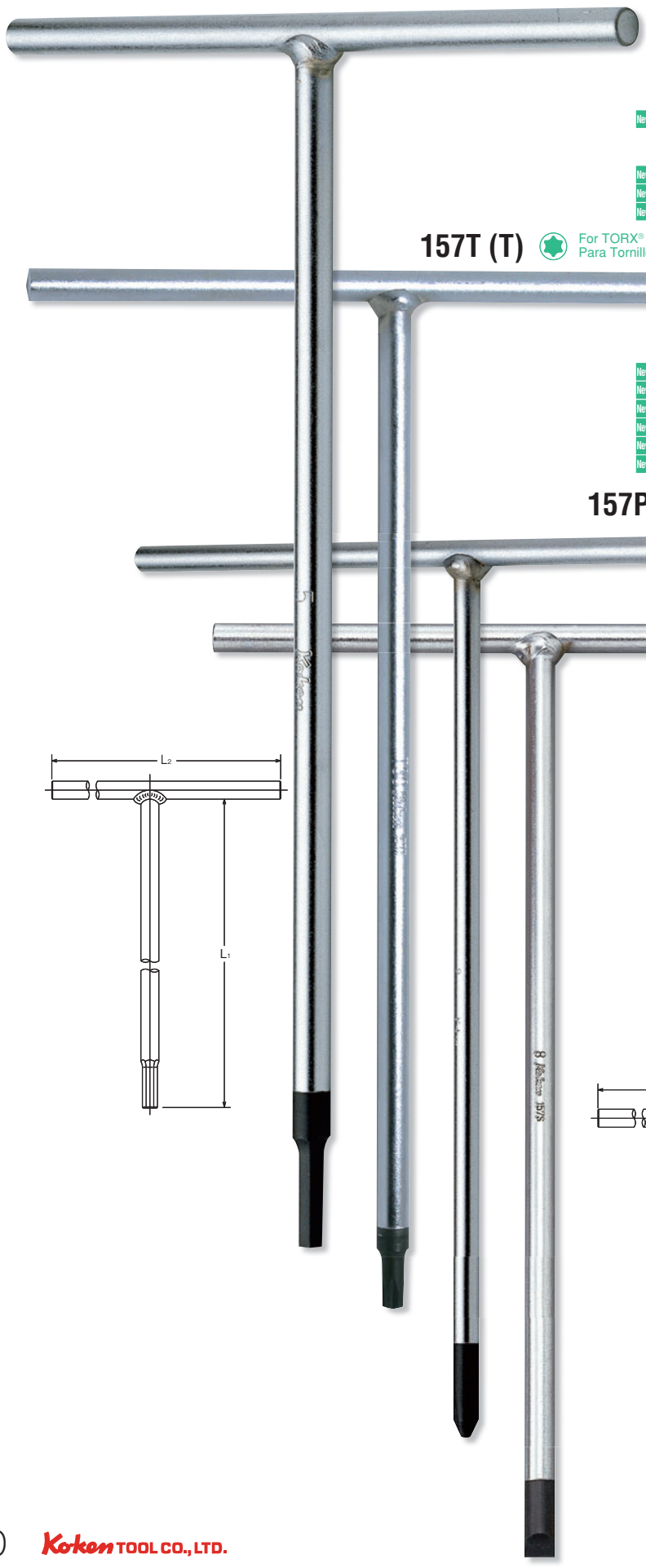
For Phillips Screws
Para Tornillos Phillips

| 157P (PH) | $L_1$ (mm) | $L_2$ (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **2** | 200 | 180 | 84 | 1 |
| **3** | 300 | 180 | 189 | 1 |

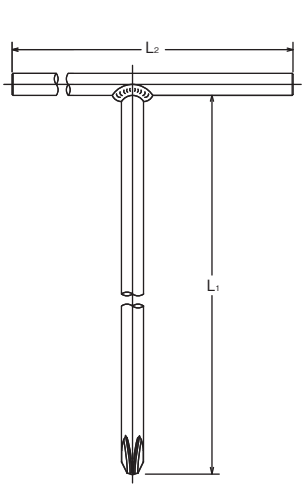
## 157S

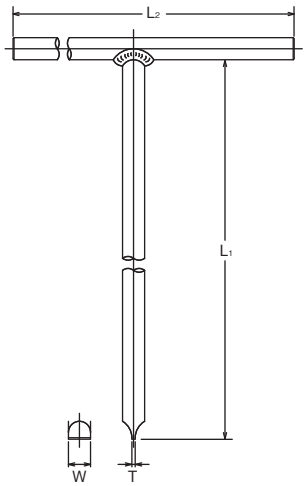
For Slotted Heads
Para Cabezas Ranuradas

| 157S | T×W | $L_1$ (mm) | $L_2$ (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **6** | 1.0×6 | 200 | 180 | 84 | 1 |
| **8** | 1.2×8 | 250 | 180 | 170 | 1 |





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## 2715
T-Handle
Llaves en T

## 3715
T-Handle
Llaves en T

## 3715S
T-Handle
Llaves en T

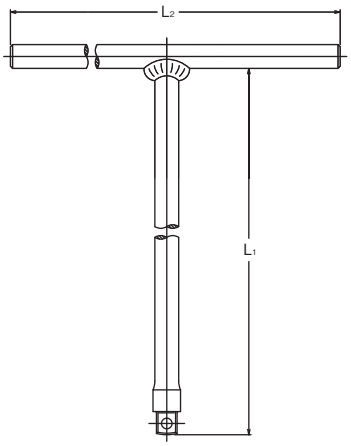
## 3715SL
T-Handle
Llaves en T

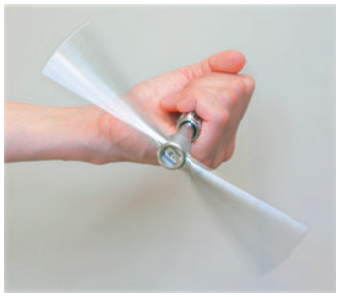
Wobble-Fix

## 3716
T-Handle
Llaves en T

OVAL Shank

## 3715SLK
T-Handle
Llaves en T



3715SLK

| | ☐ | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| 2715 | 1/4" | 200 | 120 | 130 | 1 |

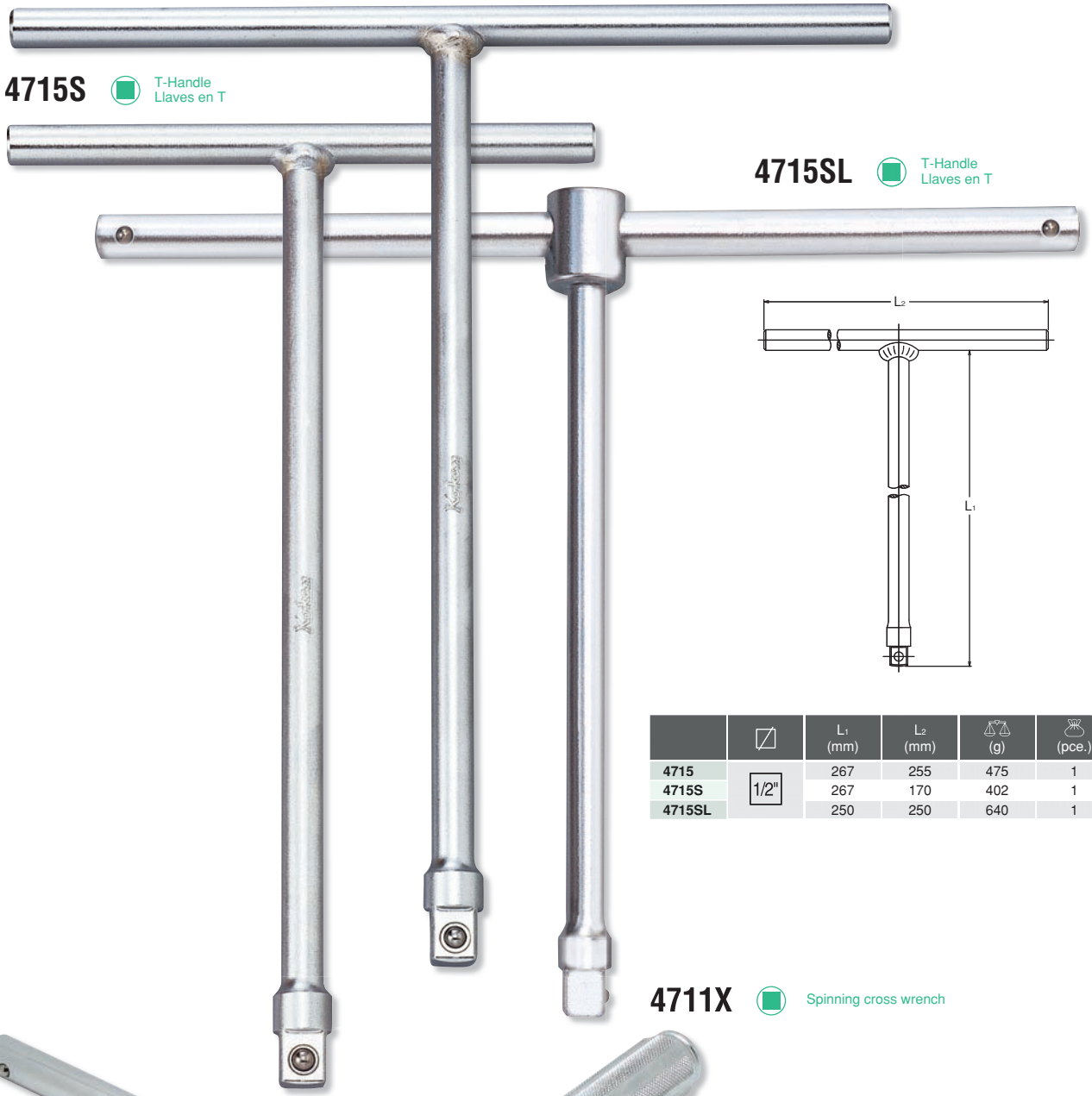
| | ☐ | L1 (mm) | L2 (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| 3715 | 3/8" | 268 | 240 | 386 | 1 |
| 3715S | | 268 | 190 | 347 | 1 |
| 3715SL | | 237 | 200 | 325 | 1 |
| 3715SLK | | 236 | 200 | 470 | 1 |
| 3716 | | 268 | 240 | 379 | 1 |

⚠ 2715/3715/3716
This tool is used sockets in hard to reach places. 3716 has a reduced square drive and similar function as offset extention bars.

## 4715 T-Handle Llaves en T

## 4715S T-Handle Llaves en T

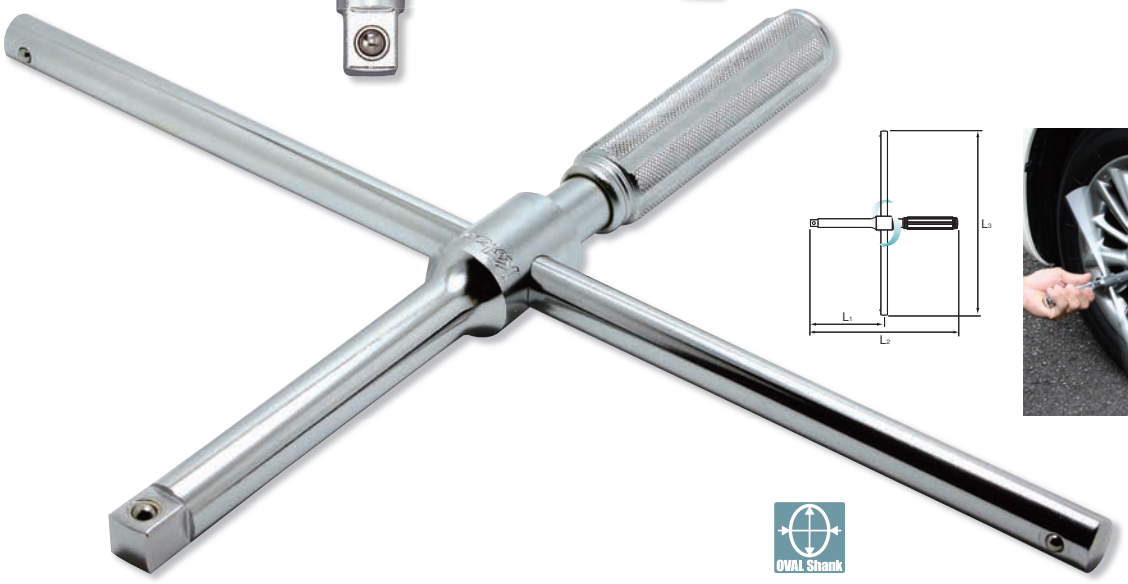
## 4715SL T-Handle Llaves en T






| | ⊿ | L1 (mm) | L2 (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|
| 4715 | 1/2" | 267 | 255 | 475 | 1 |
| 4715S | | 267 | 170 | 402 | 1 |
| 4715SL | | 250 | 250 | 640 | 1 |

## 4711X Spinning cross wrench



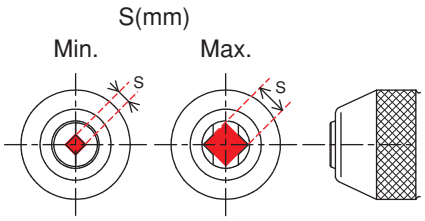
OVAL Shank

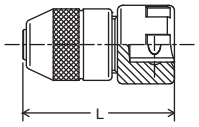
| | ⊿ | L1 (mm) | L2 (mm) | L3 (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| 4711X | 1/2" | 140 | 280 | 350 | 945 | 1 |

## 3131A

Tap Holder, Adjustable
Adaptadores para machos de terrajas

| | 3131A | | S(mm) Min. | S(mm) Max. | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | 1 | 3/8" | 2.0 | 5.0 | 40 | 80 | 5 |
| New | 2 | | 4.5 | 8.0 | 45 | 100 | 5 |

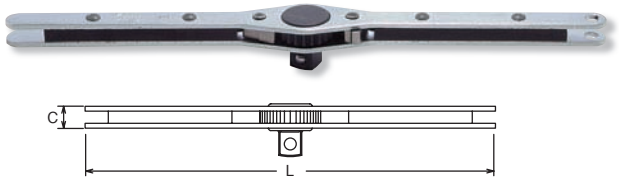





## 160K

Handle
Llave

Tap is not included.

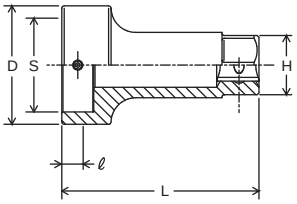



| | | C (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| 160K | 3/8" | 10 | 220 | 126 | 1 |

## 3132

Die Holder
Adaptadores

| | | | S (mm) | D (mm) | H (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| New | 3132-20 | 3/8" | 20 | 28 | 17 | 7 | 60 | 130 | 5 |
| New | 4132-25 | | 25 | 34 | 22 | 9 | 60 | 170 | 2 |
| New | 4132-38 | 1/2" | 38 | 48 | 24 | 13 | 80 | 315 | 2 |
| New | 4132-50 | | 50 | 60 | 27 | 16 | 105 | 740 | 2 |



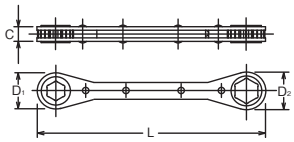
Die is not included.

## 4132

Die Holders
Adaptadores

## 102NM · 102NA

Without reverse lever
Sin palanca de inversión

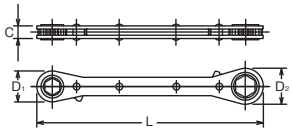



| 102NM (mm) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 6×7 | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| 7×8 | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| 8×9 | 134 | 17.1 | 19.7 | 7.5 | 80 | 10 |
| 8×10 | 134 | 17.1 | 19.7 | 7.5 | 80 | 10 |
| 10×11 | 140 | 20.1 | 22.7 | 7.5 | 87 | 10 |
| 10×12 | 140 | 20.1 | 22.7 | 7.5 | 87 | 10 |
| 12×13 | 145 | 23.6 | 24.6 | 9 | 112 | 10 |
| 12×14 | 145 | 23.6 | 24.6 | 9 | 112 | 10 |

| 102NA (inch) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 7/32× 1/4 | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| 1/4 × 9/32 | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| 1/4 × 5/16 | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| 5/16×11/32 | 134 | 17.1 | 19.7 | 7.5 | 80 | 10 |
| 5/16× 3/8 | 134 | 17.1 | 19.7 | 7.5 | 80 | 10 |
| 3/8 × 7/16 | 140 | 20.1 | 22.7 | 7.5 | 87 | 10 |
| 7/16× 1/2 | 145 | 23.6 | 24.6 | 9 | 112 | 10 |
| 1/2 × 9/16 | 145 | 23.6 | 24.6 | 9 | 112 | 10 |

## 102KM · 102KA

Reversible
Reversible

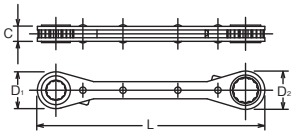



| 102KM (mm) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 6×7 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| 7×8 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| 8×9 | 134 | 17 | 20 | 9 | 76 | 10 |
| 8×10 | 134 | 17 | 20 | 9 | 76 | 10 |
| 10×11 | 141 | 21 | 23.5 | 9 | 84 | 10 |
| 10×12 | 141 | 21 | 23.5 | 9 | 84 | 10 |
| 12×13 | 146 | 24 | 25 | 9 | 89 | 10 |
| 12×14 | 146 | 24 | 25 | 9 | 89 | 10 |
| 13×17 | 200 | 27.1 | 31.8 | 16 | 190 | 5 |
| 14×17 | 200 | 27.1 | 31.8 | 16 | 200 | 5 |

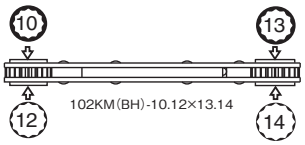
| 102KA (inch) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 7/32×1/4 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| 1/4 ×5/16 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| 3/8 ×7/16 | 141 | 21 | 23.5 | 9 | 84 | 10 |
| 1/2 ×9/16 | 146 | 24 | 25 | 9 | 89 | 10 |

## 102KM (BH)

With Twin Openings (Two-in-One)
Con Bocas Gemelas (Dos en Uno)

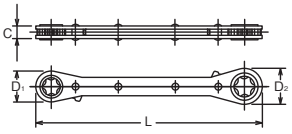



| 102KM.BH (mm) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 5.5• 6× 7• 8 | 108 | 15.3 | 16.4 | 10 | 60 | 10 |
| 8 •10×12•13 | 141 | 21 | 23.5 | 13 | 87 | 10 |
| 9 •10×11•12 | 141 | 21 | 23.5 | 13 | 87 | 10 |
| 10 •12×13•14 | 146 | 24 | 25 | 13 | 98 | 10 |
| 13 •14×15•17 | 200 | 27.1 | 31.8 | 16 | 200 | 5 |




## 102KT

Reversible TORX®
Reversible TORX®




| 102KT (E) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| E 4×E 6 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| E 6×E 8 | 108 | 15.3 | 16.4 | 7.5 | 51 | 10 |
| E10×E12 | 134 | 17 | 20 | 9 | 76 | 10 |



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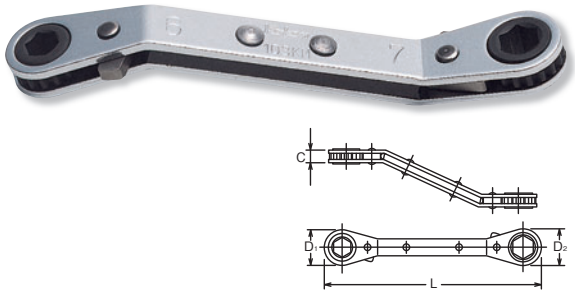
## 103KM · 103KA

Reversible
Reversible

| 103KM (mm) | L (mm) | $D_1$ (mm) | $D_2$ (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **6× 7** | 108 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **7× 8** | 108 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **8× 9** | 134 | 17 | 20 | 9 | 76 | 5 |
| **8×10** | 134 | 17 | 20 | 9 | 76 | 5 |
| **10×11** | 140 | 21 | 23.5 | 9 | 84 | 5 |
| **10×12** | 140 | 21 | 23.5 | 9 | 84 | 5 |
| **12×13** | 145 | 24 | 25 | 9 | 89 | 5 |
| **12×14** | 145 | 24 | 25 | 9 | 89 | 5 |

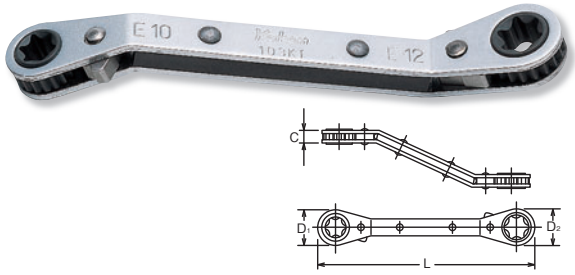
| 103KA (inch) | L (mm) | $D_1$ (mm) | $D_2$ (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7/32× 1/4** | 108 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **1/4 × 5/16** | 108 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **5/16×11/32** | 134 | 17 | 20 | 9 | 76 | 5 |
| **3/8 × 7/16** | 140 | 21 | 23.5 | 9 | 84 | 5 |
| **1/2 × 9/16** | 145 | 24 | 25 | 9 | 89 | 5 |




## 103KT

Reversible TORX®
Reversible TORX®

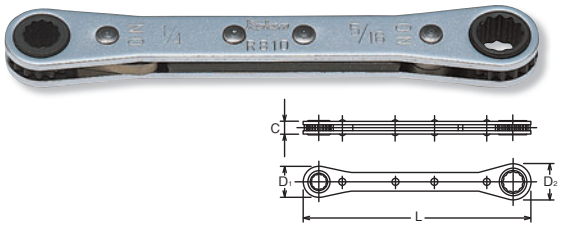
| 103KT (E) | L (mm) | $D_1$ (mm) | $D_2$ (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 4×E 6** | 104 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **E 6×E 8** | 104 | 15.3 | 16.4 | 7.5 | 51 | 5 |
| **E10×E12** | 128 | 17 | 20 | 9 | 76 | 5 |
| **E14×E16** | 139 | 24 | 25 | 9 | 89 | 5 |




## R810

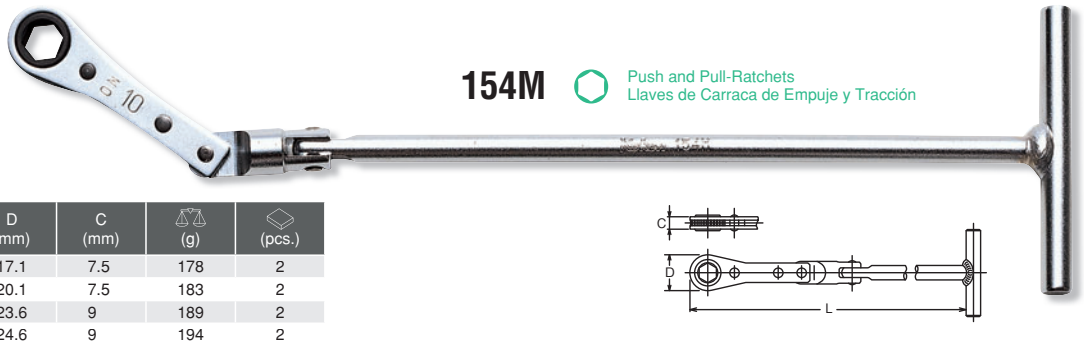
Reversible
Reversible

| R810 (inch) | L (mm) | $D_1$ (mm) | $D_2$ (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4×5/16** | 108 | 15.3 | 16.4 | 7.5 | 60 | 10 |
| **3/8×7/16** | 140 | 20.1 | 22.7 | 7.5 | 87 | 10 |
| **1/2×9/16** | 145 | 23.6 | 24.6 | 9 | 112 | 10 |




## 154M

Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción




| 154M (mm) | L (mm) | D (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 294 | 17.1 | 7.5 | 178 | 2 |
| **10** | 297 | 20.1 | 7.5 | 183 | 2 |
| **12** | 300 | 23.6 | 9 | 189 | 2 |
| **13** | 301 | 24.6 | 9 | 194 | 2 |
| **14** | 301 | 24.6 | 9 | 194 | 2 |

## 154ML

Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción

| 154ML (mm) | L (mm) | D (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **10** | 297 | 20.1 | 7.5 | 230 | 2 |
| **12** | 300 | 23.6 | 9 | 252 | 2 |

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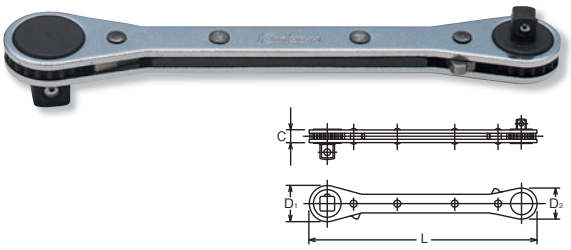
**TORX**® es una marca registrada de **Acument Intellectual Properties, LLC.**

## 137

For 1/4" and 3/8" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4" y 3/8"

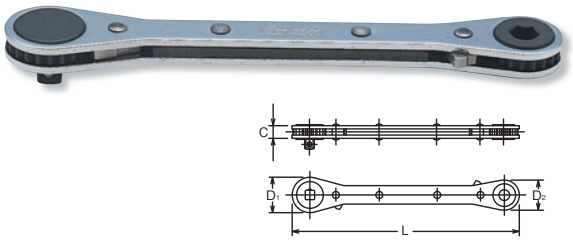



| | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **137** | 141 | 23.5 | 21 | 9 | 104 | 5 |

1/4" × 3/8"

## 138

For Bits 101
Para Puntas 101

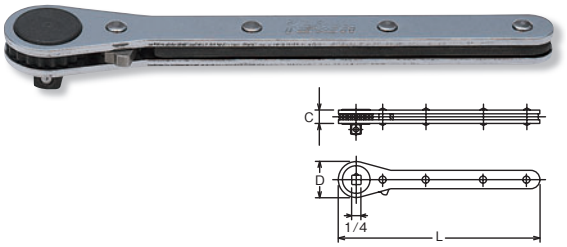



| | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **138** | 141 | 23.5 | 21 | 9 | 97 | 10 |

1/4" × 1/4"

## 139

For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"

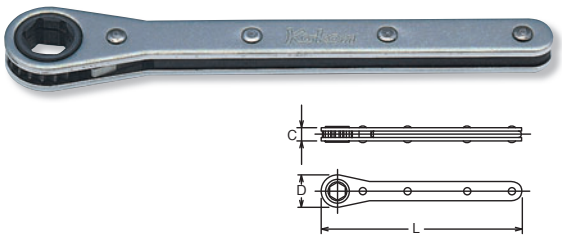



| | L (mm) | D (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **139** | 125 | 20.1 | 7.5 | 80 | 10 |

1/4"

## 145KM-10H

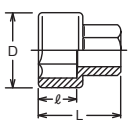
Reversible, 10mm 6-pt.
Reversible, 10mm Hexagonal



| 145KM (mm) | L (mm) | D (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **10H** | 125 | 20.1 | 7.5 | 72 | 10 |

## 150-10H

Sockets with 10mm 6-point Drive End
Vasos con Conductor Hexagonal 10mm




| 150.10H (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5** | 12 | 3.5 | 11 | 6 | 10 |
| **6** | 12 | 4.5 | 12.5 | 7 | 10 |
| **7** | 12 | 5 | 14 | 7 | 10 |
| **8** | 12 | 6 | 15.5 | 7 | 10 |
| **9** | 13 | 6 | 16 | 7 | 10 |
| **10** | 14.3 | 7 | 17 | 9 | 10 |

## 1203

Sockets with 10mm 6-point Drive End in Set with Ratchet
Juego de Vasos con Conductor Hex con Llave de Carraca

| 1203 | 7 Pieces Set/⚖=250g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Sockets | Accessory |
| **150.10H** 5, 6, 7, 8, 9, 10 | **145KM-10H** |

## R810A

Bit Set
Juego de Puntas

| R810A | 5 Pieces Set/⚖=208g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Bits | Accessory |
| **101P** Phillips Bits 1, 2, 3 | **102NA-1/4x5/16** |
| **101S** Slotted Bit 1×7 | |

## R810B

Bit Set
Juego de Puntas

| R810B | 10 Pieces Set/⚖=268g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Bits | Accessory |
| **101P** Phillips Bits 1, 2, 3 | **102NA-1/4x5/16** |
| **101S** Slotted Bit 1×7 | |
| **128H** Hex Bits 3, 4, 5, 6, 8 | |

## R810C

Bit and Socket Set
Juego de Puntas y Vasos

| R810C | 12 Pieces Set/⚖=227g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Bits,Sockets | Accessories |
| **101P** Phillips Bits 1, 2, 3 | **102NA-1/4x5/16** |
| **101S** Slotted Bit 1×7 | **101A** |
| **2400M** Sockets 5, 6, 7, 8, 9, 10 | |

## R810D

Bit and Socket Set
Juego de Puntas y Vasos

| R810D | 17 Pieces Set/⚖=336g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Bits,Sockets | Accessories |
| **101P** Phillips Bits 1, 2, 3 | **102NA-1/4x5/16** |
| **101S** Slotted Bit 1×7 | **101A** |
| **128H** Hex Bits 3, 4, 5, 6, 8 | |
| **2400M** Sockets 5, 6, 7, 8, 9, 10 | |

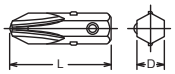
## R810E

Socket Set
Juego de Vasos

| R810E | 9 Pieces Set/⚖=445g |
|---|---|
| METAL CASE:W130×H65×T20mm | |
| Sockets | Accessories |
| **2300M** Deep Sockets 6, 7, 8, 9, 10, 11, 12 | **102NA-1/4x5/16** |
| | **101A** |

## 101P

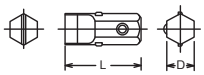
Phillips Bits
Puntas Phillips




| 101P (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 6.35 | 20.5 | 3 | 10 |
| **2** | 6.35 | 20.5 | 4 | 10 |
| **3** | 6.35 | 20.5 | 5 | 10 |

## 101S

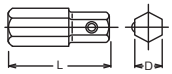
Bits for Slotted head
Puntas Rectas/Planas




| 101S | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1.0×7** | 6.35 | 15 | 3 | 10 |
| **1.2×7** | 6.35 | 15 | 3 | 10 |

## 101H

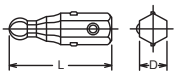
Hex Bits
Puntas Hexagonales




| 101H (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 6.35 | 20.5 | 5 | 10 |
| **4** | 6.35 | 20.5 | 5 | 10 |
| **5** | 6.35 | 20.5 | 5 | 10 |
| **6** | 6.35 | 20.5 | 6 | 10 |
| **7** | 6.35 | 20.5 | 6 | 10 |
| **8** | 6.35 | 20.5 | 7 | 10 |

## 101B

Ball-point Hex Bits
Puntas Hexagonales con bola

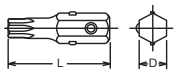



| 101B (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 6.35 | 25 | 4 | 10 |
| **4** | 6.35 | 25 | 4 | 10 |
| **5** | 6.35 | 25 | 5 | 10 |
| **6** | 6.35 | 25 | 5 | 10 |

Ball point bits have less strength due to the special design.
Make sure to use them correctly.

## 101T (T)

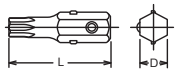
TORX® Bits
Puntas TORX®




| 101T (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T 9** | 6.35 | 25 | 4 | 10 |
| **T10** | 6.35 | 25 | 4 | 10 |
| **T15** | 6.35 | 25 | 5 | 10 |
| **T20** | 6.35 | 25 | 5 | 10 |
| **T25** | 6.35 | 25 | 5 | 10 |
| **T27** | 6.35 | 25 | 6 | 10 |
| **T30** | 6.35 | 25 | 6 | 10 |

## 101T (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable




| 101T (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10H** | 6.35 | 25 | 4 | 10 |
| **T15H** | 6.35 | 25 | 4 | 10 |
| **T20H** | 6.35 | 25 | 5 | 10 |
| **T25H** | 6.35 | 25 | 5 | 10 |
| **T27H** | 6.35 | 25 | 6 | 10 |
| **T30H** | 6.35 | 25 | 6 | 10 |

Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.



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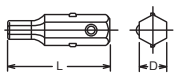
## 128H

Hex Bits
Puntas Hexagonales

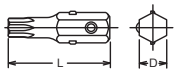
| 128H (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3** | 8 | 32 | 11 | 10 |
| **4** | 8 | 32 | 11 | 10 |
| **5** | 8 | 32 | 12 | 10 |
| **6** | 8 | 32 | 12 | 10 |
| **8** | 8 | 32 | 13 | 10 |



## 128T

TORX® Bits
Puntas TORX®

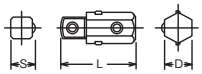
| 128T (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10** | 8 | 32 | 9 | 10 |
| **T15** | 8 | 32 | 9 | 10 |
| **T20** | 8 | 32 | 9 | 10 |
| **T25** | 8 | 32 | 10 | 10 |
| **T27** | 8 | 32 | 10 | 10 |
| **T30** | 8 | 32 | 11 | 10 |



## 101A

Adaptor
Adaptador

| 101A | D (mm) | S (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| | 8 | 6.35 | 20 | 8 | 10 |



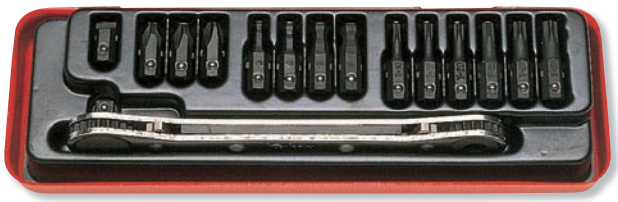
## 1202

Bit Set
Juego de Puntas

**1202** 15 Pieces Set/=420g

METAL CASE:W190×H60×T30mm

| Bits | Accessory |
|---|---|
| **101P** Phillips Bits 1, 2, 3 | **138** |
| **101S** Slotted Bit 1×7 | |
| **101B** Ballpoint Hex Bits 3, 4, 5, 6 | |
| **101T** Torx® Bits T10, T15, T20, T25, T27, T30 | |



## 2254M

Bit Set
Juego de Puntas

**2254M** 12 Pieces Set/=450g

METAL CASE:W160×H100×T28mm

| Bits | Accessories |
|---|---|
| **101P** Phillips Bits 1, 2, 3 | **102NA-1/4×5/16** |
| **101S** Slotted Bits 1×7, 1.2×7 | **2769F** |
| **101H** Hex Bits 3, 4, 5 | **101A** |
| | **2137** |

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## 3112N
Attack Driver
Destornillador de Impacto

## 3112G
Attack Driver
Destornillador de Impacto

## 4112N
Attack Driver
Destornillador de Impacto

## 4112G
Attack Driver
Destornillador de Impacto

## 6112
Attack Driver
Destornillador de Impacto

| | ☐ | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 3112N | 3/8" | 159 | 730 | 1 |
| 3112G | | 159 | 810 | 1 |

* Renewal Kits → **3112RK** ➔P279

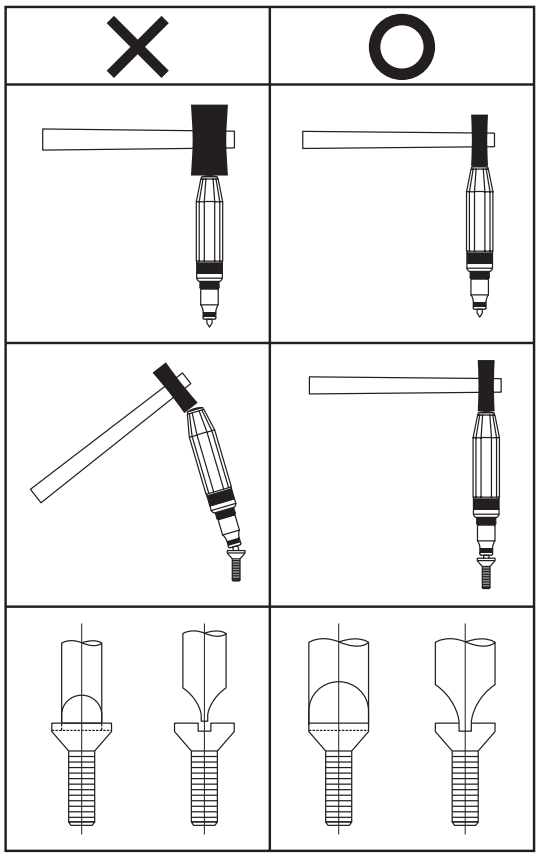
| | ☐ | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 4112N | 1/2" | 163 | 730 | 1 |
| 4112G | | 163 | 810 | 1 |

* Renewal Kits → **4112RK** ➔P279

| | ☐ | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| 6112 | 3/4" | 190 | 1900 | 1 |

* Renewal Kits → **6112RK** ➔P279

Black finished head prevents peeling off the chrome plate by striking the head.



## AN318A
## AN112A

Attack Driver Set
Juego de Destornilladores de Impacto

| AN318A | 6 Pieces Set/=1,070g |
|---|---|
| METAL CASE:W190×H59×T45mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3 | **3112N** |
| **100S.32** Slotted Bits 9, 11 | **3138** |

| AN112A | 6 Pieces Set/=1,070g |
|---|---|
| METAL CASE:W190×H59×T45mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3 | **4112N** |
| **100S.32** Slotted Bits 9, 11 | **4138** |

## AG318A
## AG112A

Attack Driver Set
Juego de Destornilladores de Impacto

| AG318A | 6 Pieces Set/=1,150g |
|---|---|
| METAL CASE:W220×H82×T60mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3 | **3112G** |
| **100S.32** Slotted Bits 9, 11 | **3138** |

| AG112A | 6 Pieces Set/=1,150g |
|---|---|
| METAL CASE:W220×H82×T60mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3 | **4112G** |
| **100S.32** Slotted Bits 9, 11 | **4138** |

## AN112C

Attack Driver Set
Juego de Destornilladores de Impacto

| AN112C | 8 Pieces Set/=1,350g |
|---|---|
| METAL CASE:W215×H80×T47mm | |
| Bits | Accessories |
| **100P.80** Phillips Bits 1, 2, 3 | **4112N** |
| **100S.80** Slotted Bits 7, 9, 12 | **4138** |

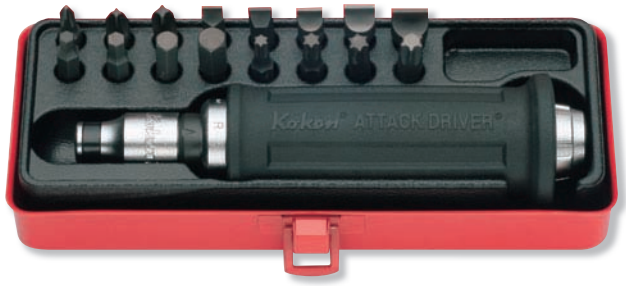
## AG112F

Attack Driver Set
Juego de Destornilladores de Impacto

| AG112F | 25 Pieces Set/=1,530g |
|---|---|
| METAL CASE:W220×H82×T60mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3 | **4112G** |
| **100P.32** PZ Bits PZ2, PZ3 | **4138** |
| **100S.32** Slotted Bits 9, 11 | |
| **100H.32** Hex Bits 4, 5, 6, 7, 8, 10 | |
| **100T.32** TORX® Bits T25, T27, T30, T40, T45, T50 | |
| **100X.32** XZN Bits M5, M6, M8, M10, M12 | |

## AG112H

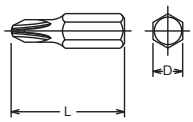
Attack Driver Set
Juego de Destornilladores de Impacto



| AG112H | 18 Pieces Set/=1,480g |
|---|---|
| METAL CASE:W220×H82×T60mm | |
| Bits | Accessories |
| **100P.32** Phillips Bits 2, 3, 4 | **4112G** |
| **100S.32** Slotted Bits 8, 9, 10, 12, 14 | **4138** |
| **100H.32** Hex Bits 5, 6, 8, 10 | |
| **100T.32** TORX® Bits T30, T40, T45, T50 | |

## 108P-25 • -32 • -50

Phillips Bits
Puntas Phillips



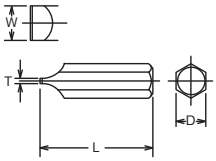

| 108P.25 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 25 | 5 | 10 |
| 2 | 6.35 | 25 | 5 | 10 |
| 3 | 6.35 | 25 | 6 | 10 |

| 108P.32 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 32 | 7 | 10 |
| 2 | 6.35 | 32 | 7 | 10 |
| 3 | 6.35 | 32 | 8 | 10 |

| 108P.50 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 50 | 10 | 10 |
| 2 | 6.35 | 50 | 11 | 10 |
| 3 | 6.35 | 50 | 11 | 10 |

## 108S-25 • -39

Bits for Slotted head
Puntas Rectas/Planas

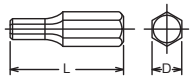



| 108S.25 | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 0.5x3 | 6.35 | 25 | 3 | 10 |
| 4 | 0.6x4 | 6.35 | 25 | 3 | 10 |
| 4.5 | 0.6x4.5 | 6.35 | 25 | 4 | 10 |
| 5 | 0.8x5 | 6.35 | 25 | 5 | 10 |
| 5.5 | 0.8x5.5 | 6.35 | 25 | 5 | 10 |
| 6 | 1.0x6 | 6.35 | 25 | 5 | 10 |
| 8 | 1.2x8 | 6.35 | 25 | 6 | 10 |

| 108S.39 | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 0.5x3 | 6.35 | 39 | 6 | 10 |
| 4 | 0.6x4 | 6.35 | 39 | 6 | 10 |
| 4.5 | 0.6x4.5 | 6.35 | 39 | 6 | 10 |
| 5 | 0.8x5 | 6.35 | 39 | 7 | 10 |
| 5.5 | 0.8x5.5 | 6.35 | 39 | 8 | 10 |
| 6 | 1.0x6 | 6.35 | 39 | 9 | 10 |
| 8 | 1.2x8 | 6.35 | 39 | 12 | 10 |

## 108H-25

Hex Bits
Puntas Hexagonales

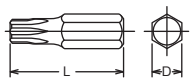



| 108H.25 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 6.35 | 25 | 4 | 10 |
| 4 | 6.35 | 25 | 5 | 10 |
| 5 | 6.35 | 25 | 5 | 10 |
| 6 | 6.35 | 25 | 6 | 10 |
| 7 | 6.35 | 25 | 7 | 10 |
| 8 | 6.35 | 25 | 8 | 10 |
| 10 | 6.35 | 25 | 11 | 10 |

| 108H.25 (inch) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1/8 | 6.35 | 25 | 4 | 10 |
| 9/64 | 6.35 | 25 | 5 | 10 |
| 3/16 | 6.35 | 25 | 5 | 10 |
| 7/32 | 6.35 | 25 | 6 | 10 |
| 1/4 | 6.35 | 25 | 7 | 10 |

## 108T-25 (T)

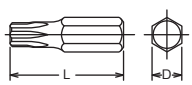
TORX® Bits
Puntas TORX®




| 108T.25 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T10 | 6.35 | 25 | 4 | 10 |
| T15 | 6.35 | 25 | 4 | 10 |
| T20 | 6.35 | 25 | 5 | 10 |
| T25 | 6.35 | 25 | 6 | 10 |
| T27 | 6.35 | 25 | 6 | 10 |
| T30 | 6.35 | 25 | 6 | 10 |
| New T40 | 6.35 | 25 | 6 | 10 |

## 108T-25 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable ⚠




| 108T.25 (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T10H | 6.35 | 25 | 4 | 10 |
| T15H | 6.35 | 25 | 4 | 10 |
| T20H | 6.35 | 25 | 5 | 10 |
| T25H | 6.35 | 25 | 6 | 10 |
| T27H | 6.35 | 25 | 6 | 10 |
| T30H | 6.35 | 25 | 6 | 10 |
| New T40H | 6.35 | 25 | 6 | 10 |

⚠ Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.



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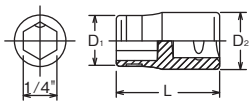
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 2137 Bit Holder / Porta-punta

## 3137 Bit Holder / Porta-punta

## 4137 Bit Holder / Porta-punta

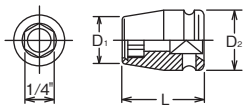



| | ⬚ | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2137 | 1/4" | 12 | 12 | 22.5 | 13 | 10 |
| 3137 | 3/8" | 13 | 16.5 | 30 | 30 | 10 |
| 4137 | 1/2" | 13 | 22 | 38 | 53 | 10 |

## 12139 Impact Bit Holder / Porta-punta de Impacto

## 13139 Impact Bit Holder / Porta-punta de Impacto

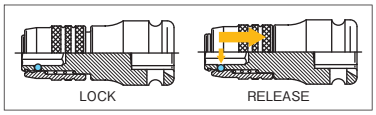
## 14139 Impact Bit Holder / Porta-punta de Impacto

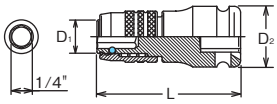



| | ⬚ | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 12139-1/4 | 1/4" | 11 | 13 | 26 | 15 | 10 | *1 |
| 13139-1/4 | 3/8" | 11 | 19 | 30 | 32 | 10 | *2 |
| 14139-1/4 | 1/2" | 11 | 25 | 38 | 62 | 10 | *3 |

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B
➡P232-233

**Lock & Quick Release**



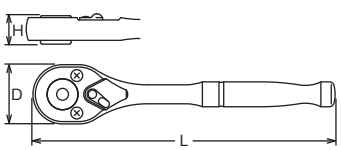

## 13142-D6.3 / 14142-D6.3 Impact Bit Holder for 1/4" (6.3) Bits / Porta-punta de Impacto para Puntas 1/4" (6.3)

| | ⬚ | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 13142-D6.3 | 3/8" | 16 | 19 | 45 | 60 | 10 | *1 |
| 14142-D6.3 | 1/2" | 16 | 25 | 55 | 97 | 10 | *2 |

*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B
➡P232-233

## 2749P-1/4HF Reversible Ratchet, for Bits 1/4" / Llave de Carraca Reversible, para Puntas 1/4"

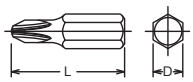
## 2774P-1/4HF Flexible Ratchet, reversible, for Bits 1/4" / Llave de Carraca Reversible, para Puntas 1/4"




| | D (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 2749P-1/4HF | 25 | 12 | 125 | 96 | 10 |
| 2774P-1/4HF | 25 | 12 | 165 | 133 | 2 |

## 100P-32 · -80 · -125

Phillips Bits
Puntas Phillips



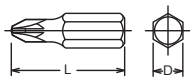

| 100P.80 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 8 | 80 | 30 | 10 |
| 2 | 8 | 80 | 30 | 10 |
| 3 | 8 | 80 | 31 | 10 |
| 4 | 8 | 80 | 32 | 10 |

| 100P.32 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 8 | 32 | 11 | 10 |
| 2 | 8 | 32 | 11 | 10 |
| 3 | 8 | 32 | 12 | 10 |
| 4 | 8 | 32 | 12 | 10 |

| 100P.125 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 2 | 8 | 125 | 48 | 10 |
| 3 | 8 | 125 | 49 | 10 |

## 100P-32 (PZ)

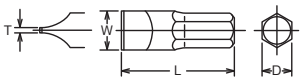
PZ Bits
Puntas PZ




| 100P.32 (PZ) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| PZ2 | 8 | 32 | 10 | 10 |
| PZ3 | 8 | 32 | 11 | 10 |

## 100S-32 · -80

Bits for Slotted head
Puntas Rectas/Planas

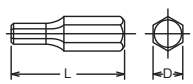



| 100S.32 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 6 | 1 × 6 | 8 | 32 | 10 | 10 |
| 7 | 1 × 7 | 8 | 32 | 11 | 10 |
| 8 | 1.2× 8 | 8 | 32 | 12 | 10 |
| 9 | 1.6× 9 | 8 | 32 | 12 | 10 |
| 10 | 1.6×10 | 8 | 32 | 13 | 10 |
| 11 | 1.6×11 | 8 | 32 | 15 | 10 |
| 12 | 2 ×12 | 8 | 32 | 18 | 10 |
| 14 | 2 ×14 | 8 | 32 | 21 | 10 |

| 100S.80 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 6 | 1 × 6 | 8 | 80 | 29 | 10 |
| 7 | 1 × 7 | 8 | 80 | 30 | 10 |
| 8 | 1.2× 8 | 8 | 80 | 31 | 10 |
| 9 | 1.6× 9 | 8 | 80 | 32 | 10 |
| 10 | 1.6×10 | 8 | 80 | 33 | 10 |
| 11 | 1.6×11 | 8 | 80 | 33 | 10 |
| 12 | 2 ×12 | 8 | 80 | 34 | 10 |
| 14 | 2 ×14 | 8 | 80 | 37 | 10 |

## 100H-32

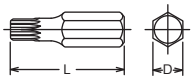
Hex Bits
Puntas Hexagonales




| 100H.32 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3 | 8 | 32 | 11 | 10 |
| 4 | 8 | 32 | 11 | 10 |
| 5 | 8 | 32 | 12 | 10 |
| 6 | 8 | 32 | 12 | 10 |
| 7 | 8 | 32 | 13 | 10 |
| 8 | 8 | 32 | 13 | 10 |
| 10 | 8 | 32 | 16 | 10 |
| 12 | 8 | 32 | 23 | 10 |
| 14 | 8 | 32 | 29 | 10 |

## 100X-32 (XZN)

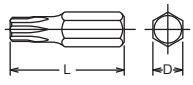
XZN Bits
Puntas XZN




| 100X.32 (XZN) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| M 5 | 8 | 32 | 10 | 10 |
| M 6 | 8 | 32 | 11 | 10 |
| M 8 | 8 | 32 | 12 | 10 |
| M10 | 8 | 32 | 16 | 10 |
| M12 | 8 | 32 | 19 | 10 |

## 100T-32 (T)

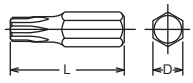
TORX® Bits
Puntas TORX®




| 100T.32 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T10 | 8 | 32 | 9 | 10 |
| T15 | 8 | 32 | 9 | 10 |
| T20 | 8 | 32 | 9 | 10 |
| T25 | 8 | 32 | 10 | 10 |
| T27 | 8 | 32 | 10 | 10 |
| T30 | 8 | 32 | 11 | 10 |
| T40 | 8 | 32 | 12 | 10 |
| T45 | 8 | 32 | 12 | 10 |
| T50 | 8 | 32 | 12 | 10 |
| T55 | 8 | 32 | 12 | 10 |

## 100T-32 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable ⚠




| 100T.32 (TH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T10H | 8 | 32 | 9 | 10 |
| T15H | 8 | 32 | 9 | 10 |
| T20H | 8 | 32 | 9 | 10 |
| T25H | 8 | 32 | 10 | 10 |
| T27H | 8 | 32 | 10 | 10 |
| T30H | 8 | 32 | 11 | 10 |
| T40H | 8 | 32 | 12 | 10 |
| T45H | 8 | 32 | 12 | 10 |
| T50H | 8 | 32 | 12 | 10 |
| T55H | 8 | 32 | 12 | 10 |

⚠ Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

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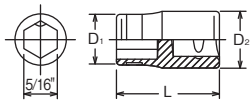
## 2138 Bit Holder / Porta-punta

## 3138 Bit Holder / Porta-punta

## 4138 Bit Holder / Porta-punta

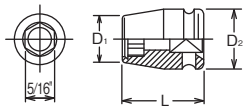



| | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 2138 | 1/4" | 16 | 16 | 26 | 32 | 10 |
| 3138 | 3/8" | 16 | 18 | 38 | 55 | 10 |
| 4138 | 1/2" | 16 | 22 | 38 | 62 | 10 |

## 12140 Impact Bit Holder / Porta-punta de Impacto

## 13140 Impact Bit Holder / Porta-punta de Impacto

## 14140 Impact Bit Holder / Porta-punta de Impacto

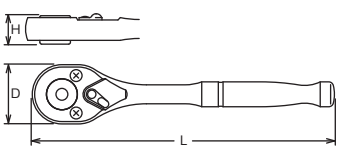



| | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 12140-5/16 | 1/4" | 14 | 13 | 26 | 15 | 10 | *1 |
| 13140-5/16 | 3/8" | 14 | 19 | 30 | 32 | 10 | *2 |
| 14140-5/16 | 1/2" | 14 | 25 | 38 | 62 | 10 | *3 |

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B
➡P232-233

## 2749P-5/16HF Reversible Ratchet, for Bits 5/16" / Llave de Carraca Reversible, para Puntas 5/16"

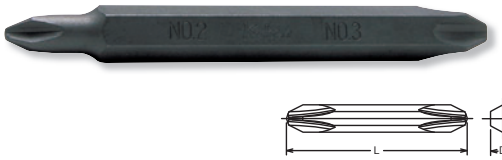
## 2774P-5/16HF Flexible Ratchet, reversible, for Bits 5/16" / Llave de Carraca Reversible, para Puntas 5/16"




| | D (mm) | H (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 2749P-5/16HF | 25 | 14 | 125 | 96 | 10 |
| 2774P-5/16HF | 25 | 14 | 165 | 133 | 2 |

## 131P-80

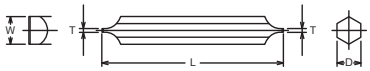
Phillips Bits
Puntas Phillips



| 131P.80 | ⊕ | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 1 | No.1×No.2 | 8 | 80 | 28 | 10 |
| 2 | No.2×No.3 | 8 | 80 | 29 | 10 |
| 3 | No.3×No.3 | 8 | 80 | 29 | 10 |

## 131S-80

Bits for Slotted heads
Puntas Rectas/Planas




| 131S.80 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 6 | 1.0×6 | 8 | 80 | 29 | 10 |
| 7 | 1.0×7 | 8 | 80 | 29 | 10 |
| 8 | 1.2×8 | 8 | 80 | 30 | 10 |
| 9 | 1.6×9 | 8 | 80 | 31 | 10 |

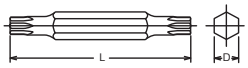
## 131PS-80

Double Ended Bits
Puntas

| 131PS.80 | ⊕×⊖ | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 2 | No.2×No.6 | 8 | 80 | 29 | 10 |
| 3 | No.3×No.8 | 8 | 80 | 29 | 10 |

## 131T-80

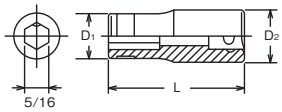
TORX® Bits
Puntas TORX®




| 131T.80 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| T10×T15 | 8 | 80 | 27 | 10 |
| T20×T25 | 8 | 80 | 27 | 10 |
| T27×T30 | 8 | 80 | 28 | 10 |

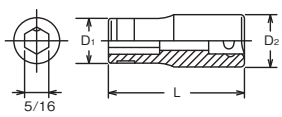
## 3141

Bit Holder, extra deep for 131P-80, 131S-80, 131T-80
Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80




## 4141

Bit Holder, extra deep for 131P-80, 131S-80, 131T-80
Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80




| | ◹ | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 3141 | 3/8" | 16 | 18 | 48 | 60 | 10 |
| 4141 | 1/2" | 16 | 22 | 52 | 70 | 10 |



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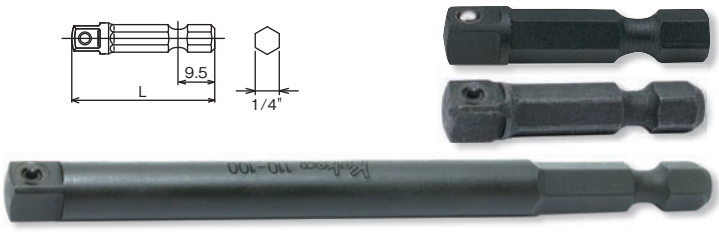
## 110-35B · -50B · -100B · -150B
## -35P · -50P · -100P · -150P

Adaptors
Adaptadores

| 110 | ☐ | TYPE | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 35B | 1/4" | Ball | 35 | 9 | 10 |
| New 35P | | Pin | 35 | 9 | 10 |
| 50B | | Ball | 50 | 15 | 10 |
| New 50P | | Pin | 50 | 15 | 10 |
| 100B | | Ball | 100 | 34 | 10 |
| New 100P | | Pin | 100 | 34 | 10 |
| 150B | | Ball | 150 | 54 | 10 |
| New 150P | | Pin | 150 | 54 | 10 |

DIN 3126 Form E 6.3



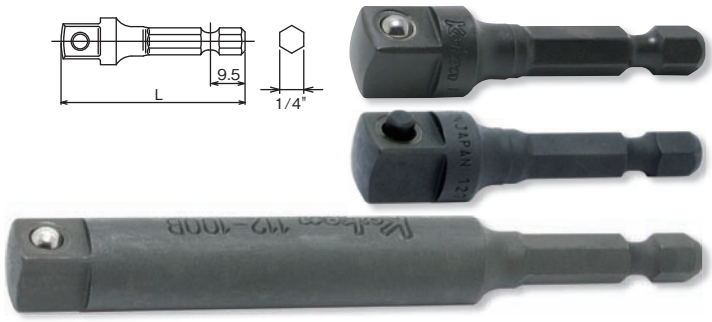



## 112-50B · -100B · -150B
## -50P · -100P · -150P

Adaptors
Adaptadores

| 112 | ☐ | TYPE | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 50B | 3/8" | Ball | 50 | 21 | 10 |
| New 50P | | Pin | 50 | 21 | 10 |
| 100B | | Ball | 100 | 71 | 10 |
| New 100P | | Pin | 100 | 71 | 10 |
| 150B | | Ball | 150 | 121 | 10 |
| New 150P | | Pin | 150 | 121 | 10 |

DIN 3126 Form E 6.3

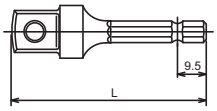


## 135E-60B · -60P

Adaptors
Adaptadores

| 135E | ☐ | TYPE | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 60B | 1/2" | Ball | 60 | 46 | 10 |
| New 60P | | Pin | 60 | 46 | 10 |

DIN 3126 Form E 6.3



## 117-50B · -100B
## -50P · -100P

Adaptors
Adaptadores

| 117 | ☐ | TYPE | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 50B | 1/4" | Ball | 50 | 15 | 10 |
| New 50P | | Pin | 50 | 15 | 10 |
| 100B | | Ball | 100 | 71 | 10 |
| New 100P | | Pin | 100 | 71 | 10 |

DIN 3126 Form G7

## 120-50B · -50P

Adaptors
Adaptadores

| 120 | ☐ | TYPE | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 50B | 3/8" | Ball | 50 | 27 | 10 |
| New 50P | | Pin | 50 | 27 | 10 |

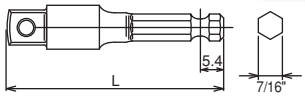
DIN 3126 Form E8

## 186-75P

Adaptors with Pin
Adaptadores con Perno

| 186-75P | ☐ | D (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3/8 | 3/8" | 75 | 65 | 10 |
| 1/2 | 1/2" | 75 | 85 | 10 |

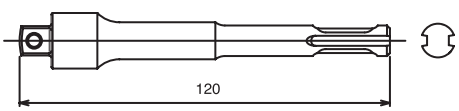
DIN 3126 Form E11.2




## BD022-120P

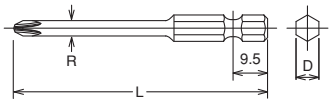
Hammer Drill Adaptor
Adaptador para Taladro de Percusión

| BD022-120P | ☐ | D (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 3/8 | 3/8" | 120 | 100 | 10 |
| 1/2 | 1/2" | 120 | 160 | 10 |



## 121P-50 · -70 · -100 · -150

Phillips Bits
Puntas Phillips




| 121P.50 (PH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 1 | 6.35 | 4.5 | 50 | 12 | 10 |
| 2 | 6.35 | 5.5 | 50 | 12 | 10 |
| 3 | 6.35 | – | 50 | 13 | 10 |

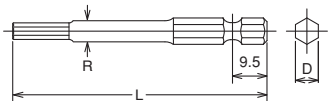
| 121P.70 (PH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 1 | 6.35 | 4.5 | 70 | 15 | 10 |
| 2 | 6.35 | 5.5 | 70 | 15 | 10 |
| 3 | 6.35 | – | 70 | 16 | 10 |

| 121P.100 (PH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 1 | 6.35 | 4.5 | 100 | 23 | 10 |
| 2 | 6.35 | 5.5 | 100 | 23 | 10 |
| 3 | 6.35 | – | 100 | 24 | 10 |

| 121P.150 (PH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New 1 | 6.35 | 4.5 | 150 | 30 | 10 |
| New 2 | 6.35 | 5.5 | 150 | 35 | 10 |
| New 3 | 6.35 | - | 150 | 36 | 10 |

## 121H-50 · -70 · -100 · -150

Hex Bits
Puntas Hexagonales




| 121H.50 (mm) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 6.35 | 3.5 | 50 | 12 | 10 |
| 4 | 6.35 | 4.5 | 50 | 12 | 10 |
| 5 | 6.35 | 5.6 | 50 | 13 | 10 |
| 6 | 6.35 | – | 50 | 14 | 10 |

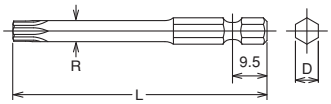
| 121H.70 (mm) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 6.35 | 4.0 | 70 | 15 | 10 |
| 4 | 6.35 | 4.5 | 70 | 15 | 10 |
| 5 | 6.35 | 5.6 | 70 | 16 | 10 |
| 6 | 6.35 | – | 70 | 18 | 10 |

| 121H.100 (mm) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 6.35 | 4.0 | 100 | 23 | 10 |
| 4 | 6.35 | 4.5 | 100 | 23 | 10 |
| 5 | 6.35 | 5.6 | 100 | 24 | 10 |
| 6 | 6.35 | – | 100 | 26 | 10 |

| 121H.150 (mm) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 3 | 6.35 | 4.5 | 150 | 37 | 10 |
| 4 | 6.35 | 5.0 | 150 | 37 | 10 |
| 5 | 6.35 | 6.0 | 150 | 38 | 10 |
| 6 | 6.35 | – | 150 | 39 | 10 |

## 121T-50 · -70 · -100 · -150 (T)

TORX® Bits
Puntas TORX®




| 121T.50 (T) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New T15 | 6.35 | 3.5 | 50 | 12 | 10 |
| T20 | 6.35 | 4.1 | 50 | 12 | 10 |
| T25 | 6.35 | 4.6 | 50 | 12 | 10 |
| T27 | 6.35 | 5.2 | 50 | 13 | 10 |
| T30 | 6.35 | 5.7 | 50 | 13 | 10 |
| T40 | 6.35 | – | 50 | 14 | 10 |

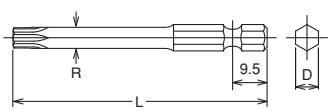
| 121T.70 (T) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New T15 | 6.35 | 3.5 | 70 | 16 | 10 |
| T20 | 6.35 | 4.1 | 70 | 16 | 10 |
| T25 | 6.35 | 4.6 | 70 | 16 | 10 |
| T27 | 6.35 | 5.2 | 70 | 17 | 10 |
| T30 | 6.35 | 5.7 | 70 | 17 | 10 |
| T40 | 6.35 | – | 70 | 18 | 10 |

| 121T.100 (T) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New T15 | 6.35 | 4.0 | 100 | 24 | 10 |
| T20 | 6.35 | 4.1 | 100 | 24 | 10 |
| T25 | 6.35 | 4.6 | 100 | 24 | 10 |
| T27 | 6.35 | 5.2 | 100 | 24 | 10 |
| T30 | 6.35 | 5.7 | 100 | 25 | 10 |
| T40 | 6.35 | – | 100 | 26 | 10 |

| 121T.150 (T) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New T15 | 6.35 | 4.0 | 150 | 37 | 10 |
| T20 | 6.35 | 4.5 | 150 | 37 | 10 |
| T25 | 6.35 | 5.0 | 150 | 37 | 10 |
| T27 | 6.35 | 5.6 | 150 | 37 | 10 |
| T30 | 6.35 | 6.0 | 150 | 38 | 10 |
| T40 | 6.35 | – | 150 | 39 | 10 |

## 121T-70 · -100 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable




| 121T.70 (TH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| T20H | 6.35 | 4.1 | 70 | 16 | 10 |
| T25H | 6.35 | 4.6 | 70 | 16 | 10 |
| T27H | 6.35 | 5.2 | 70 | 17 | 10 |
| T30H | 6.35 | 5.7 | 70 | 17 | 10 |
| T40H | 6.35 | – | 70 | 18 | 10 |

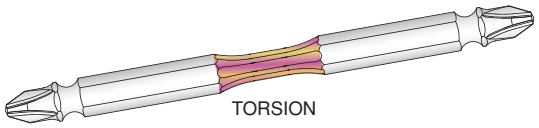
| 121T.100 (TH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New T20H | 6.35 | 4.1 | 100 | 24 | 10 |
| New T25H | 6.35 | 4.6 | 100 | 24 | 10 |
| New T27H | 6.35 | 5.2 | 100 | 24 | 10 |
| New T30H | 6.35 | 5.7 | 100 | 25 | 10 |
| New T40H | 6.35 | – | 100 | 26 | 10 |

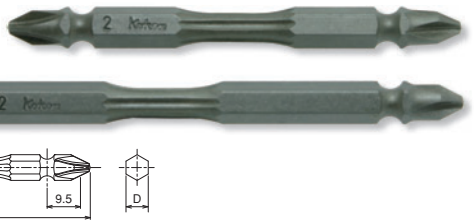
⚠ Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

## 123PT-75 · -100

Double ended Torsion Bits
Puntas Phillips, simétricas, Torsion

| 123PT (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 2 | 6.35 | 75 | 18 | 10 |
| 2 | 6.35 | 100 | 24 | 10 |



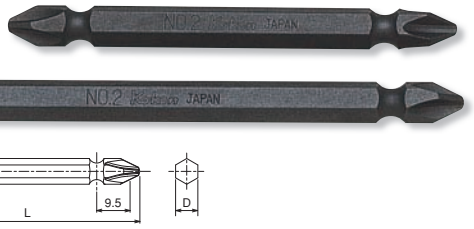

## 123PN-75 · -100
## 123PG-75 · -100

Double ended Bits
Puntas Phillips, simétricas

Magnetic type

| 123PN.75 123PG.75 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 75 | 16 | 10 |
| 2 | 6.35 | 75 | 16 | 10 |
| 3 | 6.35 | 75 | 17 | 10 |

| 123PN.100 123PG.100 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 100 | 23 | 10 |
| 2 | 6.35 | 100 | 23 | 10 |
| 3 | 6.35 | 100 | 24 | 10 |



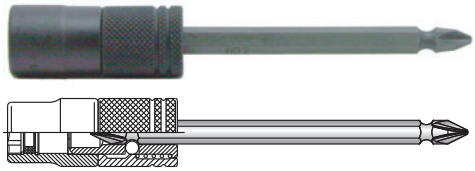

## 165LM

Slide socket with Magnet

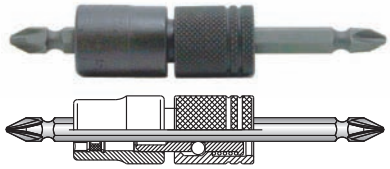
| 165LM.45 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 8 | 13.5 | 3.5 | 45 | 55 | 10 |
| 10 | 16 | 4.2 | 45 | 58 | 10 |
| 12 | 18.5 | 5.6 | 45 | 65 | 10 |
| 14 | 21 | 6.4 | 45 | 70 | 10 |

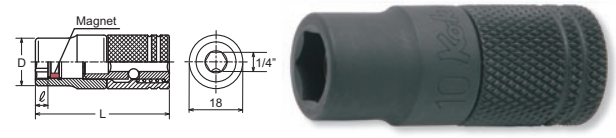
Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

**Nut Setter**



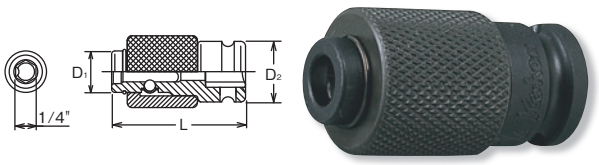
**Phillips Bit**





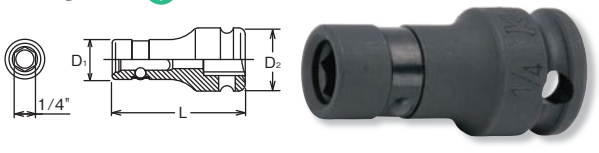

## 13137H

Impact Bit Holder for 1/4"(6.3) Bits
Porta-punta de impacto para Puntas 1/4"(6.3)




## 12137E
## 13137E
## 14137E

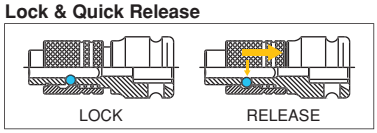
Impact Bit Holder for 1/4"(6.3) Bits
Porta-punta de impacto para Puntas 1/4"(6.3)




| | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 12137E | 1/4" | 12 | 13 | 40 | 22 | 10 | *1 |
| 13137H | 3/8" | 22.5 | 19 | 42 | 77 | 10 | *2 |
| 13137E | | 12 | 19 | 40 | 40 | 10 | *2 |
| 14137E | 1/2" | 12 | 25 | 48 | 70 | 10 | *3 |

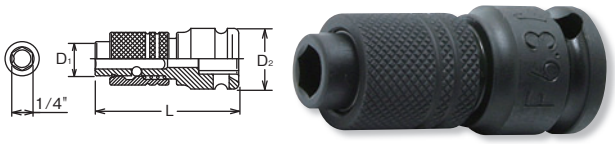
*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

**Lock & Quick Release**




## 12142-F6.3
## 13142-F6.3
## 14142-F6.3

Impact Bit Holder for 1/4"(6.3) Bits
Porta-punta de impacto para Puntas 1/4"(6.3)

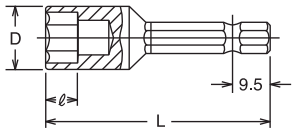



| | | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New 12142-F6.3 | 1/4" | 16.5 | 13 | 36 | 22 | 10 | *1 |
| 13142-F6.3 | 3/8" | 16.5 | 19 | 45 | 60 | 10 | *2 |
| 14142-F6.3 | 1/2" | 16.5 | 25 | 55 | 100 | 10 | *3 |

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

## 113-50

Nut Setters
Vasos para apretar tuercas Hexagonales

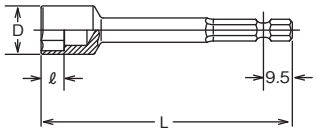



| 113.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5.5** | 9 | 4 | 50 | 15 | 10 |
| **6** | 10 | 5 | 50 | 17 | 10 |
| **7** | 11 | 5 | 50 | 19 | 10 |
| **8** | 12 | 6 | 50 | 20 | 10 |
| **10** | 14 | 7 | 50 | 31 | 10 |
| **12** | 17 | 8 | 50 | 39 | 10 |
| **13** | 18 | 8 | 50 | 42 | 10 |
| **14** | 19 | 9 | 50 | 46 | 10 |

| 113.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 10 | 5 | 50 | 17 | 10 |
| **5/16** | 12 | 6 | 50 | 20 | 10 |
| **3/8** | 14 | 7 | 50 | 31 | 10 |
| **1/2** | 18 | 8 | 50 | 42 | 10 |

## 113-75 · -100 · -150 · -200 · -250

Nut Setters
Vasos para apretar tuercas Hexagonales




| 113.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 5 | 75 | 31 | 10 |
| **8** | 12.7 | 6 | 75 | 32 | 10 |
| **10** | 14.5 | 7 | 75 | 35 | 10 |
| **12** | 17 | 8 | 75 | 42 | 10 |
| **13** | 18 | 8 | 75 | 41 | 10 |
| **14** | 19 | 9 | 75 | 43 | 10 |

| 113.150 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 5 | 150 | 59 | 10 |
| **8** | 12.7 | 6 | 150 | 60 | 10 |
| **10** | 14.5 | 7 | 150 | 64 | 10 |
| **12** | 17 | 8 | 150 | 70 | 10 |
| **13** | 18 | 8 | 150 | 76 | 10 |
| **14** | 19 | 9 | 150 | 78 | 10 |

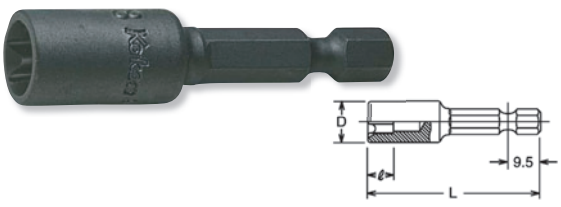
| 113.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 5 | 100 | 40 | 10 |
| **8** | 12.7 | 6 | 100 | 41 | 10 |
| **10** | 14.5 | 7 | 100 | 45 | 10 |
| **12** | 17 | 8 | 100 | 52 | 10 |
| **13** | 18 | 8 | 100 | 51 | 10 |
| **14** | 19 | 9 | 100 | 53 | 10 |

| 113.200 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 5 | 200 | 78 | 10 |
| **8** | 12.7 | 6 | 200 | 79 | 10 |
| **10** | 14.5 | 7 | 200 | 83 | 10 |
| **12** | 17 | 8 | 200 | 91 | 10 |
| **13** | 18 | 8 | 200 | 93 | 10 |
| **14** | 19 | 9 | 200 | 95 | 10 |

| 113.250 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 5 | 250 | 99 | 10 |
| **8** | 12.7 | 6 | 250 | 100 | 10 |
| **10** | 14.5 | 7 | 250 | 105 | 10 |
| **12** | 17 | 8 | 250 | 113 | 10 |
| **13** | 18 | 8 | 250 | 114 | 10 |
| **14** | 19 | 9 | 250 | 119 | 10 |

## 113-50 (E)

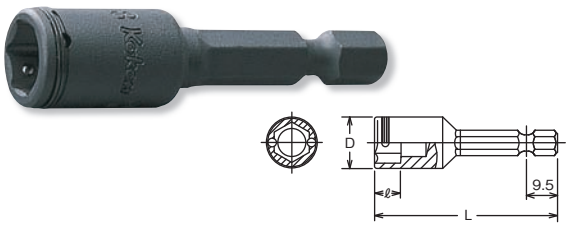
Nut Setters, TORX®
Vasos para apretar tuercas, TORX®




| 113.50 (E) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **E 4** | 6.1 | 4.5 | 50 | 12 | 10 |
| **E 5** | 7.5 | 4.5 | 50 | 15 | 10 |
| **E 6** | 8.3 | 5.0 | 50 | 17 | 10 |
| **E 7** | 8.8 | 5.8 | 50 | 18 | 10 |
| **E 8** | 10.1 | 6.6 | 50 | 19 | 10 |
| **E10** | 12 | 7.4 | 50 | 20 | 10 |

## 113-50 (2B)

Nut Setters Nut Grip®
Vasos para apretar tuercas con 2 bolas

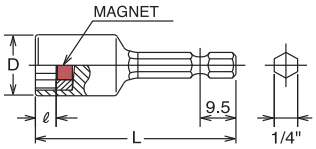



| 113.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7(2B)** | 11 | 5 | 50 | 20 | 10 |
| **8(2B)** | 12 | 6 | 50 | 21 | 10 |
| **10(2B)** | 14.2 | 7 | 50 | 26 | 10 |
| **13(2B)** | 18 | 8 | 50 | 31 | 10 |

| 113.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **3/8(2B)** | 14.2 | 7 | 50 | 26 | 10 |

## 115-50

Nut Setters with Magnet
Vasos para tuercas con Imán

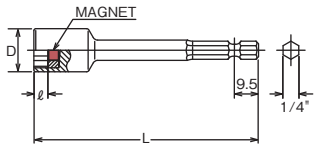


| 115.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5.5** | 9 | 2.1 | 50 | 15 | 10 |
| **6** | 10 | 2.4 | 50 | 17 | 10 |
| **7** | 11 | 2.8 | 50 | 19 | 10 |
| **8** | 12 | 3.5 | 50 | 20 | 10 |
| **10** | 14 | 4.2 | 50 | 29 | 10 |
| **12** | 17 | 5.6 | 50 | 40 | 10 |
| **13** | 18 | 6 | 50 | 50 | 10 |
| **14** | 19 | 6.4 | 50 | 60 | 10 |

| 115.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 10 | 1.8 | 50 | 17 | 10 |
| **1/4(DP2.4)** | 10 | 2.4 | 50 | 17 | 10 |
| **5/16** | 12 | 3.5 | 50 | 20 | 10 |
| **3/8** | 14 | 4.2 | 50 | 29 | 10 |
| **1/2** | 18 | 6 | 50 | 50 | 10 |

## 115-75 · -100 · -150 · -200 · -250

Nut Setters with Magnet
Vasos para tuercas con Imán



| 115.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 2.8 | 75 | 32 | 10 |
| **8** | 12.7 | 3.5 | 75 | 33 | 10 |
| **10** | 14.5 | 4.2 | 75 | 38 | 10 |
| **12** | 17 | 5.6 | 75 | 46 | 10 |
| **13** | 18 | 6 | 75 | 49 | 10 |
| **14** | 19 | 6.4 | 75 | 52 | 10 |

| 115.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 2.8 | 100 | 41 | 10 |
| **8** | 12.7 | 3.5 | 100 | 42 | 10 |
| **10** | 14.5 | 4.2 | 100 | 50 | 10 |
| **12** | 17 | 5.6 | 100 | 58 | 10 |
| **13** | 18 | 6 | 100 | 62 | 10 |
| **14** | 19 | 6.4 | 100 | 65 | 10 |

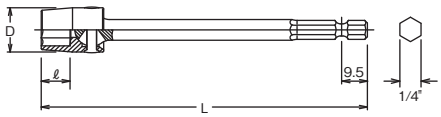
| 115.150 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 2.8 | 150 | 60 | 10 |
| **8** | 12.7 | 3.5 | 150 | 61 | 10 |
| **10** | 14.5 | 4.2 | 150 | 68 | 10 |
| **12** | 17 | 5.6 | 150 | 77 | 10 |
| **13** | 18 | 6 | 150 | 82 | 10 |
| **14** | 19 | 6.4 | 150 | 85 | 10 |

| 115.200 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 2.8 | 200 | 79 | 10 |
| **8** | 12.7 | 3.5 | 200 | 80 | 10 |
| **10** | 14.5 | 4.2 | 200 | 88 | 10 |
| **12** | 17 | 5.6 | 200 | 97 | 10 |
| **13** | 18 | 6 | 200 | 102 | 10 |
| **14** | 19 | 6.4 | 200 | 105 | 10 |

| 115.250 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 2.8 | 250 | 101 | 10 |
| **8** | 12.7 | 3.5 | 250 | 103 | 10 |
| **10** | 14.5 | 4.2 | 250 | 110 | 10 |
| **12** | 17 | 5.6 | 250 | 118 | 10 |
| **13** | 18 | 6 | 250 | 122 | 10 |
| **14** | 19 | 6.4 | 250 | 124 | 10 |

## 113UN-100 · -150 · -200

6-point Universal Joint Nut Setters
Vasos para apretar tuercas Hexagonales con Articulación Universal



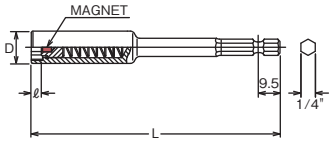

| 113UN.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 13 | 7 | 100 | 50 | 10 |
| **10** | 15 | 8 | 100 | 53 | 10 |
| **12** | 17 | 10 | 100 | 56 | 10 |
| **13** | 18 | 10 | 100 | 65 | 10 |
| **14** | 19.2 | 10 | 100 | 67 | 10 |

| 113UN.150 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 13 | 7 | 150 | 65 | 10 |
| **10** | 15 | 8 | 150 | 70 | 10 |
| **12** | 17 | 10 | 150 | 77 | 10 |
| **13** | 18 | 10 | 150 | 92 | 10 |
| **14** | 19.2 | 10 | 150 | 92 | 10 |

| 113UN.200 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 13 | 7 | 200 | 75 | 10 |
| **10** | 15 | 8 | 200 | 87 | 10 |
| **12** | 17 | 10 | 200 | 98 | 10 |
| **13** | 18 | 10 | 200 | 116 | 10 |
| **14** | 19.2 | 10 | 200 | 116 | 10 |

## 115G-75 · -100 · -150 · -200

Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo

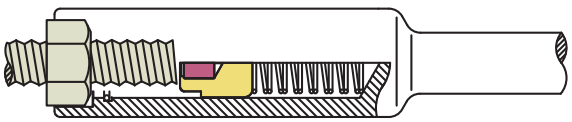



| 115G.75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 3.5 | 75 | 34 | 10 |
| **8** | 12.7 | 4 | 75 | 41 | 10 |
| **10** | 14.5 | 4.5 | 75 | 48 | 10 |
| **12** | 17 | 6 | 75 | 65 | 10 |
| **13** | 18 | 6.5 | 75 | 70 | 10 |
| **14** | 19 | 7 | 75 | 73 | 10 |

| 115G.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 3.5 | 100 | 51 | 10 |
| **8** | 12.7 | 4 | 100 | 51 | 10 |
| **10** | 14.5 | 4.5 | 100 | 57 | 10 |
| **12** | 17 | 6 | 100 | 77 | 10 |
| **13** | 18 | 6.5 | 100 | 80 | 10 |
| **14** | 19 | 7 | 100 | 82 | 10 |

| 115G.150 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 3.5 | 150 | 67 | 10 |
| **8** | 12.7 | 4 | 150 | 70 | 10 |
| **10** | 14.5 | 4.5 | 150 | 77 | 10 |
| **12** | 17 | 6 | 150 | 95 | 10 |
| **13** | 18 | 6.5 | 150 | 100 | 10 |
| **14** | 19 | 7 | 150 | 105 | 10 |

| 115G.200 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **7** | 11.5 | 3.5 | 200 | 86 | 10 |
| **8** | 12.7 | 4 | 200 | 89 | 10 |
| **10** | 14.5 | 4.5 | 200 | 96 | 10 |
| **12** | 17 | 6 | 200 | 119 | 10 |
| **13** | 18 | 6.5 | 200 | 125 | 10 |
| **14** | 19 | 7 | 200 | 128 | 10 |

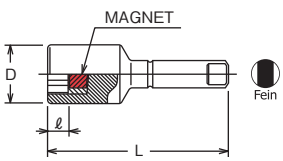


Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.

## 119

Nut Setters with Magnet
Vasos para tuercas con Imán



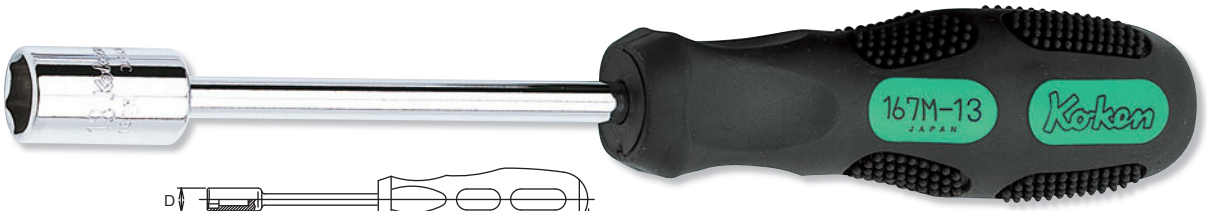

| 119.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5.5** | 9 | 2.1 | 50 | 17 | 10 |
| **6** | 10 | 2.4 | 50 | 20 | 10 |
| **7** | 11 | 2.8 | 50 | 22 | 10 |
| **8** | 12 | 3.5 | 50 | 23 | 10 |
| **10** | 14 | 4.2 | 50 | 30 | 10 |
| **12** | 17 | 5.6 | 50 | 42 | 10 |
| **13** | 18 | 6 | 50 | 52 | 10 |

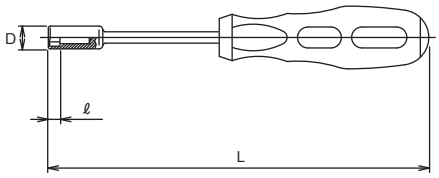
| 119.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 10 | 1.8 | 50 | 20 | 10 |
| **5/16** | 12 | 3.5 | 50 | 23 | 10 |
| **3/8** | 14 | 4.2 | 50 | 30 | 10 |

# Screwdrivers

## 167M · 167A

Socket Drivers
Destornilladores de Vaso



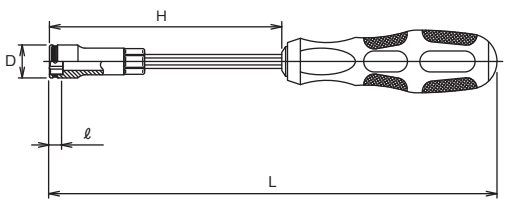



| 167M (mm) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|
| **3** | 5.8 | 3 | 225 | 62 | 6 |
| **3.5** | 5.8 | 3 | 225 | 62 | 6 |
| **4** | 6.7 | 3.5 | 225 | 64 | 6 |
| **4.5** | 7.2 | 4.5 | 225 | 65 | 6 |
| **5** | 7.8 | 5 | 225 | 66 | 6 |
| **5.5** | 8.4 | 5.5 | 225 | 68 | 6 |
| **6** | 9.1 | 6 | 225 | 70 | 6 |
| **7** | 10.9 | 6.5 | 235 | 101 | 6 |
| **8** | 12 | 7 | 235 | 103 | 6 |
| **9** | 13.2 | 7.5 | 235 | 107 | 6 |
| **10** | 14.5 | 8 | 235 | 111 | 6 |
| **11** | 15.9 | 8.5 | 245 | 155 | 6 |
| **12** | 16.8 | 9 | 245 | 161 | 6 |
| **13** | 18.2 | 9.5 | 245 | 167 | 6 |
| **14** | 19.2 | 11 | 245 | 178 | 6 |

| 167A (inch) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 9.1 | 6 | 225 | 70 | 6 |

## 167C (2B)

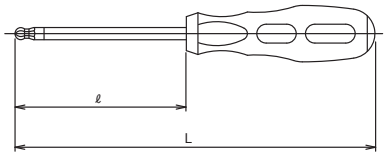
Interchangeable Socket Driver, **Nut Grip®**




| 167C(2B) (mm) | D (mm) | H (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|
| **7(2B)** | 11.5 | 122 | 4 | 235 | 120 | 6 |
| **8(2B)** | 12.3 | 122 | 5 | 235 | 125 | 6 |
| **10(2B)** | 14.2 | 122 | 6 | 235 | 130 | 6 |
| **12(2B)** | 17.3 | 122 | 7 | 235 | 135 | 6 |

| 167C/3-2B | 4 Pieces Set/⚖=280g |
|---|---|
| PLASTIC BAG | |
| Socket Drivers | |
| **Socket**: | 7, 8, 10 |
| **Grip**: | 167C-GRIP |

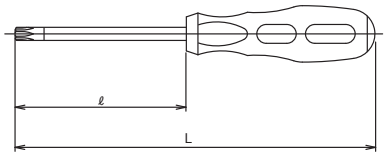
## 168H-B Ball point Hex Screwdrivers




| 168H (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **3B** | 80 | 150 | 25 | 6 |
| **4B** | 125 | 225 | 60 | 6 |
| **5B** | 125 | 235 | 85 | 6 |
| **6B** | 125 | 245 | 150 | 6 |
| **7B** | 125 | 245 | 151 | 6 |
| **8B** | 125 | 245 | 153 | 6 |

Ball point Hex Screwdrivers have less strength due to the special design. Make sure to use them correctly.

## 168T (TH) Tamper-Resistant TORX® Screwdrivers



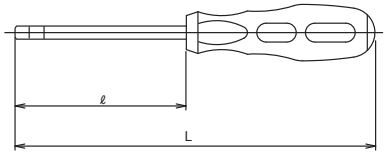

| 168T (TH) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **T10H** | 80 | 150 | 25 | 6 |
| **T15H** | 80 | 150 | 25 | 6 |
| **T20H** | 125 | 225 | 60 | 6 |
| **T25H** | 125 | 225 | 60 | 6 |
| **T27H** | 125 | 235 | 90 | 6 |
| **T30H** | 125 | 235 | 92 | 6 |
| **T40H** | 125 | 245 | 153 | 6 |

Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

## 168T/7 (TH) Set / Juego

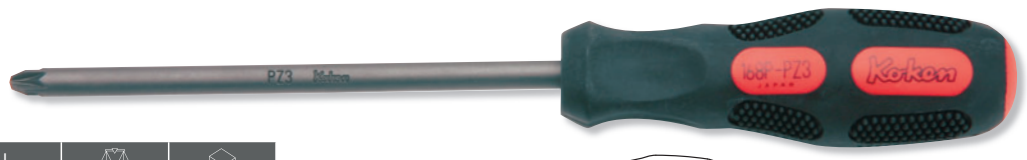
| 168T/7-TH | (g) |
|---|---|
| **168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H** | 480 |

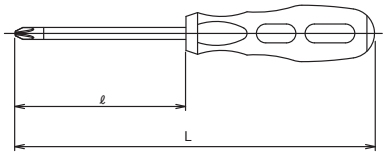
## 168R Square Screwdrivers




| 168R | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 125 | 225 | 60 | 6 |
| **2** | 125 | 235 | 85 | 6 |

## 168P (PZ) PZ Screwdrivers




| 168P (PZ) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **PZ1** | 75 | 175 | 78 | 6 |
| **PZ2** | 100 | 210 | 129 | 6 |
| **PZ3** | 150 | 270 | 203 | 6 |

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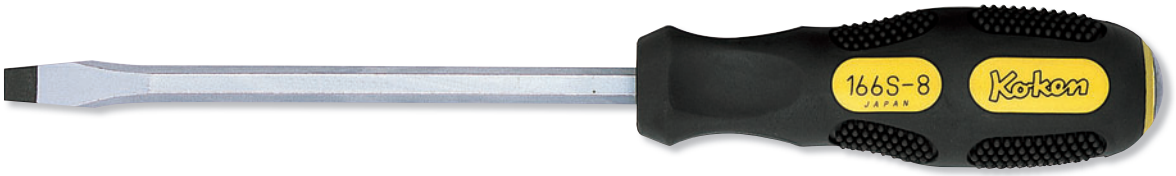
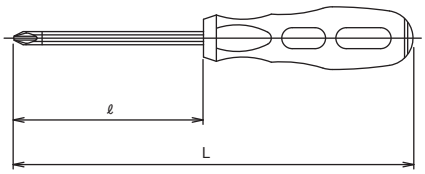
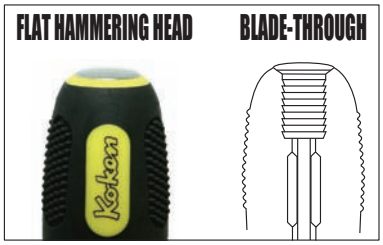
TORX® es una marca registrada de **Acument Intellectual Properties, LLC.**

## 166P
## 166S

Screwdrivers (Blade-Through type)
Destornilladores




| 166P (PH) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 75 | 175 | 78 | 6 |
| **2** | 100 | 210 | 129 | 6 |
| **3** | 150 | 270 | 203 | 6 |

| 166S | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **5** | 75 | 175 | 78 | 6 |
| **6** | 100 | 210 | 129 | 6 |
| **8** | 150 | 270 | 203 | 6 |

## 166PS/6

Set
Juego

| 166PS/6 | 6 Pieces Set/=885g |
|---|---|

CARDBOARD BOX:W280×H115×T40mm

Screwdrivers

**166P** Screwdrivers
1, 2, 3

**166S** Screwdrivers
5, 6, 8

## PK166PS/6

Set
Juego

| PK166PS/6 | 6 Pieces Set/=950g |
|---|---|

PLASTIC TRAY

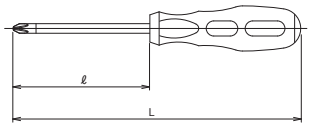
Screwdrivers

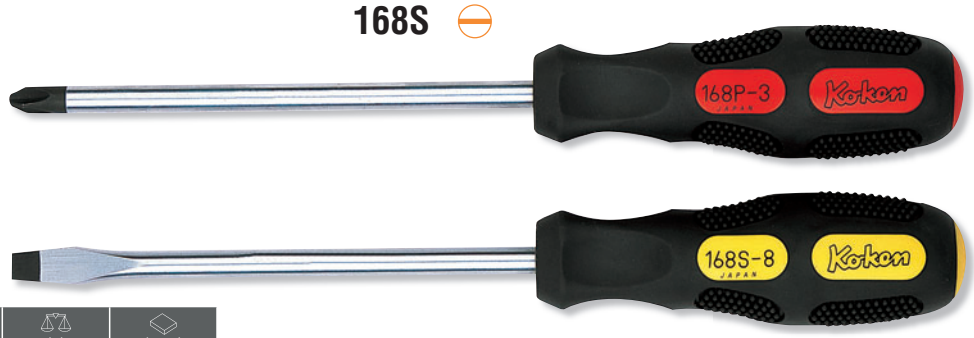
**166P** Screwdrivers
1, 2, 3

**166S** Screwdrivers
5, 6, 8

## 168P
## 168S

Screwdrivers
Destornilladores




| 168P (PH) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **1** | 75 | 175 | 59 | 6 |
| **2** | 100 | 210 | 86 | 6 |
| New **2(150)** | 150 | 260 | 100 | 6 |
| New **2(200)** | 200 | 310 | 111 | 6 |
| **3** | 150 | 270 | 150 | 6 |

| 168S | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **5** | 75 | 175 | 59 | 6 |
| **6** | 100 | 210 | 86 | 6 |
| New **6(150)** | 150 | 260 | 100 | 6 |
| New **6(200)** | 200 | 310 | 111 | 6 |
| **8** | 150 | 270 | 150 | 6 |

**168PS/6** — 6 Pieces Set/=660g

CARDBOARD BOX:W280×H115×T40mm

Screwdrivers

- **168P** Screwdrivers 1, 2, 3
- **168S** Screwdrivers 5, 6, 8

**PK168PS/6** — 6 Pieces Set/=720g

PLASTIC TRAY

Screwdrivers

- **168P** Screwdrivers 1, 2, 3
- **168S** Screwdrivers 5, 6, 8

## 168PS/6

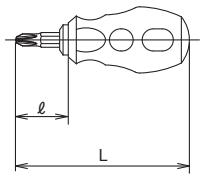
Set
Juego

## PK168PS/6

Set
Juego

## 168CS

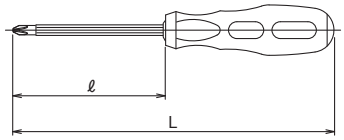
Interchangeable Screwdrivers, Stubby



| 168CS | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2×6** | 22 | 86 | 46 | 6 |

## 168C

Interchangeable Screwdrivers



| 168C | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **2×6** | 100 | 210 | 108 | 6 |
| **2×6(150)** | 150 | 260 | 120 | 6 |
| **2×6(200)** | 200 | 310 | 133 | 6 |

## 2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador

| 2769N | ☐ | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **150** | 1/4" | 50 | 150 | 68 | 2 |
| **220** | | 120 | 220 | 100 | 2 |

Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

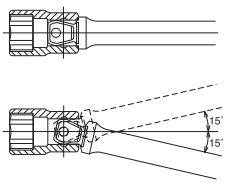
## 2769NWF-150 · -220

Spin Type Handle (Wobble-Fix)
Mango Tipo Destornillador (Articulado-Fijo)

| 2769NWF | ☐ | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **150** | 1/4" | 50 | 150 | 68 | 2 |
| **220** | | 120 | 220 | 100 | 2 |

**Wobble-Fix Extension Bar**
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

**Alargadera Articulada-Fija**
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



## 3769N-160 · -230

Spin Type Handle
Mango Tipo Destornillador

| 3769N | ☐ | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **160** | 3/8" | 50 | 160 | 96 | 2 |
| **230** | | 120 | 230 | 126 | 2 |

## 3769NWF-160 · -230

Spin Type Handle (Wobble-Fix)
Mangos Tipo Destornillador (Articulado-Fijo)

| 3769NWF | ☐ | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **160** | 3/8" | 50 | 160 | 96 | 2 |
| **230** | | 120 | 230 | 126 | 2 |

# Impact Sockets

1/4”

3/8”

1/2”

5/8”

3/4”

1”

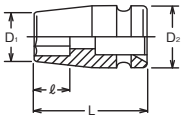
1-1/2”

2-1/2”

3-1/2”

## 12400M · 12400A

6-point Sockets
Vasos Hexagonales




# FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

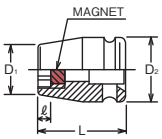
| 12400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **4** | 7.5 | 13 | 4 | 23 | 14 | 10 | *1 |
| **4.5** | 8.1 | 13 | 4 | 23 | 14 | 10 | *1 |
| **5** | 8.8 | 13 | 4 | 23 | 14 | 10 | *1 |
| **5.5** | 9.4 | 13 | 4 | 23 | 14 | 10 | *1 |
| **6** | 10 | 13 | 5 | 23 | 14 | 10 | *1 |
| **7** | 11.3 | 13 | 5 | 23 | 14 | 10 | *1 |
| **8** | 12.5 | 13 | 6 | 23 | 14 | 10 | *1 |
| **9** | 13.8 | 13 | 7 | 23 | 14 | 10 | *1 |
| **10** | 15 | 13 | 7 | 23 | 15 | 10 | *1 |
| **11** | 16.3 | 13 | 8 | 23 | 18 | 10 | *1 |
| **12** | 17.5 | 13 | 8 | 23 | 19 | 10 | *1 |
| **13** | 18.8 | 13 | 8 | 23 | 19 | 10 | *1 |
| **14** | 20 | 13 | 9 | 23 | 20 | 10 | *1 |

| 12400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **5/32** | 7.5 | 13 | 4 | 23 | 14 | 10 | *1 |
| **3/16** | 8.1 | 13 | 4 | 23 | 14 | 10 | *1 |
| **1/4** | 10 | 13 | 5 | 23 | 14 | 10 | *1 |
| **9/32** | 11.3 | 13 | 5 | 23 | 14 | 10 | *1 |
| **5/16** | 12.5 | 13 | 6 | 23 | 14 | 10 | *1 |
| **11/32** | 13.8 | 13 | 7 | 23 | 14 | 10 | *1 |
| **3/8** | 15 | 13 | 7 | 23 | 15 | 10 | *1 |
| **7/16** | 16.3 | 13 | 8 | 23 | 18 | 10 | *1 |
| **1/2** | 18.8 | 13 | 8 | 23 | 19 | 10 | *1 |
| **9/16** | 20 | 13 | 9 | 23 | 20 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12400MG · 12400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



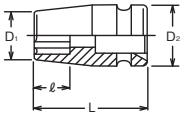

| 12400MG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **4** | 7.5 | 13 | 2.1 | 23 | 12 | 10 | *1 |
| **4.5** | 8.1 | 13 | 2.1 | 23 | 13 | 10 | *1 |
| **5** | 8.8 | 13 | 2.1 | 23 | 15 | 10 | *1 |
| **5.5** | 9.4 | 13 | 2.1 | 23 | 15 | 10 | *1 |
| **6** | 10 | 13 | 2.4 | 23 | 16 | 10 | *1 |
| **7** | 11.3 | 13 | 2.8 | 23 | 16 | 10 | *1 |
| **8** | 12.5 | 13 | 3.5 | 23 | 17 | 10 | *1 |
| **9** | 13.8 | 13 | 3.8 | 23 | 18 | 10 | *1 |
| **10** | 15 | 13 | 4.2 | 23 | 18 | 10 | *1 |
| **11** | 16.3 | 13 | 4.9 | 23 | 21 | 10 | *1 |
| **12** | 17.5 | 13 | 5.6 | 25 | 21 | 10 | *1 |
| **13** | 18.8 | 13 | 6 | 25 | 21 | 10 | *1 |
| **14** | 20 | 13 | 6.4 | 25 | 20 | 10 | *1 |

| 12400AG (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **3/16** | 8.1 | 13 | 2.1 | 23 | 13 | 10 | *1 |
| **1/4** | 10 | 13 | 2.4 | 23 | 16 | 10 | *1 |
| **5/16** | 12.5 | 13 | 3.5 | 23 | 17 | 10 | *1 |
| **11/32** | 13.8 | 13 | 3.8 | 23 | 18 | 10 | *1 |
| **3/8** | 15 | 13 | 4.2 | 23 | 18 | 10 | *1 |
| **7/16** | 16.3 | 13 | 4.9 | 23 | 21 | 10 | *1 |
| **1/2** | 18.8 | 13 | 6 | 25 | 21 | 10 | *1 |
| **9/16** | 20 | 13 | 6.4 | 25 | 20 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)




# SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

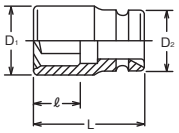
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

| 12410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10 | 13 | 5 | 23 | 14 | 10 | *1 |
| **7** | 11.3 | 13 | 5 | 23 | 15 | 10 | *1 |
| **8** | 12.5 | 13 | 6 | 23 | 15 | 10 | *1 |
| **9** | 13.8 | 13 | 7 | 23 | 14 | 10 | *1 |
| **10** | 15 | 13 | 7 | 23 | 14 | 10 | *1 |
| **11** | 16.3 | 13 | 8 | 23 | 17 | 10 | *1 |
| **12** | 17.5 | 13 | 8 | 23 | 19 | 10 | *1 |
| **13** | 18.8 | 13 | 8 | 23 | 19 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12465M

Pathfinder Sockets
Vasos Pathfinder (Guía)

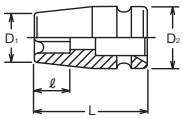


| 12465M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15 | 13 | 8 | 23 | 17 | 10 | *1 |
| **11** | 16.3 | 13 | 8 | 23 | 18 | 10 | *1 |
| **12** | 17.5 | 13 | 9 | 23 | 18 | 10 | *1 |
| **13** | 18.8 | 13 | 9 | 23 | 20 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12425

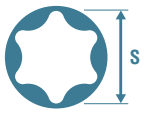
TORX® Sockets
Vasos TORX®



| 12425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **E 4** | 6.6 | 13 | 4.6 | 23 | 14 | 10 | *1 |
| **E 5** | 7.7 | 13 | 5.2 | 23 | 15 | 10 | *1 |
| **E 6** | 8.7 | 13 | 5.4 | 23 | 15 | 10 | *1 |
| **E 7** | 9.2 | 13 | 6.6 | 23 | 15 | 10 | *1 |
| **E 8** | 9.7 | 13 | 7 | 23 | 15 | 10 | *1 |
| **E10** | 12.2 | 13 | 8.2 | 23 | 15 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## 12460M · 12460A

For Self-Tapping Screws
Para Tornillos Autorroscantes

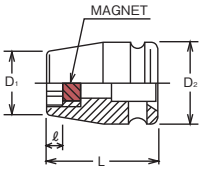
| 12460M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **5.5** | 9.7 | 13 | 4 | 23 | 15 | 10 | *1 |
| **6** | 10.3 | 13 | 5 | 23 | 15 | 10 | *1 |
| **7** | 11.6 | 13 | 5 | 23 | 16 | 10 | *1 |
| **8** | 12.8 | 13 | 6 | 23 | 16 | 10 | *1 |
| **10** | 15.3 | 13 | 7 | 23 | 19 | 10 | *1 |
| **13** | 19.1 | 13 | 8 | 23 | 23 | 10 | *1 |

| 12460A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 10.3 | 13 | 5 | 23 | 15 | 10 | *1 |
| **5/16** | 12.8 | 13 | 6 | 23 | 16 | 10 | *1 |
| **3/8** | 15.3 | 13 | 7 | 23 | 19 | 10 | *1 |
| **1/2** | 19.1 | 13 | 8 | 23 | 23 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12460MG · 12460AG

With Magnet for Self-Tapping Screws
Con Imán para Tornillos Autorroscantes



| 12460MG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **5.5** | 9.7 | 13 | 2.1 | 23 | 16 | 10 | *1 |
| **6** | 10.3 | 13 | 2.4 | 23 | 16 | 10 | *1 |
| **7** | 11.6 | 13 | 2.8 | 23 | 16 | 10 | *1 |
| **8** | 12.8 | 13 | 3.5 | 25 | 18 | 10 | *1 |
| **10** | 15.3 | 13 | 4.2 | 28 | 20 | 10 | *1 |
| **13** | 19.1 | 13 | 6 | 30 | 23 | 10 | *1 |
| **14** | 20 | 13 | 6.4 | 30 | 24 | 10 | *1 |

| 12460AG (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 10.3 | 13 | 2.4 | 23 | 16 | 10 | *1 |
| **5/16** | 12.8 | 13 | 3.5 | 25 | 18 | 10 | *1 |
| **3/8** | 15.3 | 13 | 4.2 | 28 | 20 | 10 | *1 |
| **7/16** | 16.6 | 13 | 4.9 | 29 | 27 | 10 | *1 |
| **1/2** | 19.1 | 13 | 6 | 30 | 23 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233



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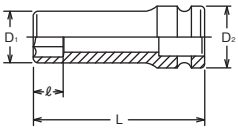
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 12300M

6-point Sockets, deep
Vasos Hexagonales Largos

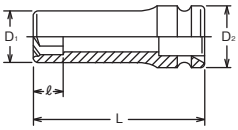



| | 12300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| New | 7 | 11.3 | 13 | 7 | 48 | 30 | 10 | *1 |
| | 8 | 12.5 | 13 | 8 | 48 | 32 | 10 | *1 |
| | 10 | 15 | 13 | 10 | 48 | 34 | 10 | *1 |
| New | 11 | 16.3 | 13 | 11 | 48 | 46 | 10 | *1 |
| | 12 | 17.5 | 13 | 12 | 48 | 49 | 10 | *1 |
| | 13 | 18.8 | 13 | 13 | 48 | 52 | 10 | *1 |
| | 14 | 20 | 13 | 14 | 48 | 57 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12365M

Pathfinder Sockets, deep
Vasos Pathfinder (Guía) Largos

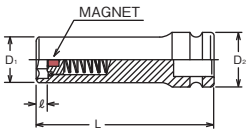



| 12365M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 10 | 15 | 13 | 8 | 48 | 34 | 10 | *1 |
| 11 | 16.3 | 13 | 8 | 48 | 46 | 10 | *1 |
| 12 | 17.5 | 13 | 9 | 48 | 49 | 10 | *1 |
| 13 | 18.8 | 13 | 9 | 48 | 52 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12300G

Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo

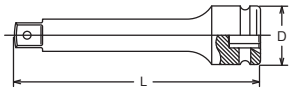



| 12300G (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 12.5 | 13 | 4 | 48 | 32 | 10 | *1 |
| 10 | 15 | 13 | 4.5 | 48 | 34 | 10 | *1 |
| 12 | 17.5 | 13 | 6 | 48 | 49 | 10 | *1 |
| 13 | 18.8 | 13 | 6.5 | 48 | 52 | 10 | *1 |
| 14 | 20 | 13 | 7 | 48 | 57 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12760-55 · -75

Extension Bars
Alargaderas

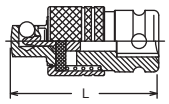



| 12760 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| 55 | 13 | 55 | 26 | 10 | *1 |
| 75 | 13 | 75 | 45 | 10 | *1 |

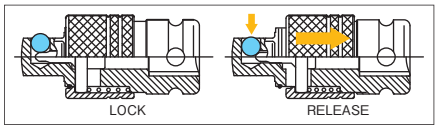
*1 Pin/O-Ring=1200A/B ➡P233

## 12222AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)




**Lock & Quick Release**

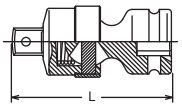


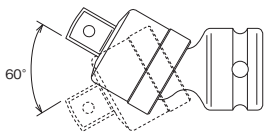

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| 12222AL | 35 | 30 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

## 12770

Universal Joint
Articulación Universal



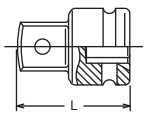




| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| 12770 | 39 | 30 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233

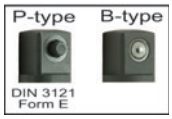
## 12233A

Adaptor
Adaptador



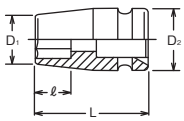

| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| 12233A | 1/4" | 3/8" | 22 | 15 | 10 | *1 |
| 12233A-B | 1/4" | 3/8" | 22 | 15 | 10 | *1 |
| 12233A-P | 1/4" | 3/8" | 22 | 15 | 10 | *1 |

*1 Pin/O-Ring=1200A/B ➡P233



## 13400M · 13400A

6-point Sockets
Vasos Hexagonales



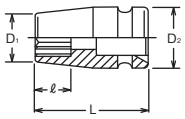
| 13400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10.8 | 19 | 5 | 32 | 40 | 10 | *1 |
| **7** | 12 | 19 | 5 | 32 | 40 | 10 | *1 |
| **8** | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| **9** | 14.5 | 19 | 7 | 32 | 40 | 10 | *1 |
| **10** | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| **11** | 17 | 19 | 8 | 32 | 41 | 10 | *1 |
| **12** | 18.3 | 19 | 9 | 32 | 43 | 10 | *1 |
| **13** | 19.5 | 22 | 10 | 32 | 56 | 10 | *2 |
| **14** | 20.8 | 22 | 10 | 32 | 56 | 10 | *2 |
| **15** | 22 | 22 | 11 | 32 | 56 | 10 | *2 |
| **16** | 23.3 | 22 | 11 | 32 | 57 | 10 | *2 |
| **17** | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| **18** | 25.8 | 22 | 12 | 32 | 62 | 10 | *2 |
| **19** | 27 | 22 | 12 | 32 | 67 | 10 | *2 |
| **20** | 28.3 | 22 | 12 | 32 | 70 | 10 | *2 |
| **21** | 29.5 | 22 | 12 | 32 | 71 | 10 | *2 |
| **22** | 30.8 | 22 | 13 | 32 | 72 | 10 | *2 |
| **23** | 32 | 22 | 13 | 32 | 75 | 10 | *2 |
| **24** | 33.3 | 22 | 13 | 32 | 78 | 10 | *2 |

| 13400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 10.8 | 19 | 5 | 32 | 40 | 10 | *1 |
| **5/16** | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| **3/8** | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| **7/16** | 17 | 19 | 8 | 32 | 41 | 10 | *1 |
| **1/2** | 19.5 | 22 | 10 | 32 | 56 | 10 | *2 |
| **9/16** | 20.8 | 22 | 10 | 32 | 56 | 10 | *2 |
| **5/8** | 23.3 | 22 | 11 | 32 | 57 | 10 | *2 |
| **11/16** | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| **3/4** | 27 | 22 | 12 | 32 | 67 | 10 | *2 |
| **13/16** | 29.5 | 22 | 12 | 32 | 71 | 10 | *2 |
| **7/8** | 30.8 | 22 | 13 | 32 | 72 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13405M · 13405A

12-point Sockets
Vasos Bihexagonales



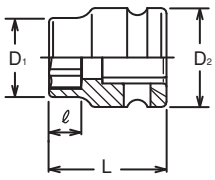
| 13405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| **9** | 14.5 | 19 | 7 | 32 | 40 | 10 | *1 |
| **10** | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| **12** | 18.3 | 19 | 9 | 32 | 43 | 10 | *1 |
| **13** | 19.5 | 22 | 10 | 32 | 56 | 10 | *2 |
| **14** | 20.8 | 22 | 10 | 32 | 56 | 10 | *2 |
| **15** | 22 | 22 | 11 | 32 | 56 | 10 | *2 |
| **17** | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| **19** | 27 | 22 | 12 | 32 | 67 | 10 | *2 |

| 13405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 10.8 | 19 | 5 | 32 | 40 | 10 | *1 |
| **5/16** | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| **3/8** | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| **7/16** | 17 | 19 | 8 | 32 | 41 | 10 | *1 |
| **1/2** | 19.5 | 22 | 10 | 32 | 56 | 10 | *2 |
| **9/16** | 20.8 | 22 | 10 | 32 | 56 | 10 | *2 |
| **5/8** | 23.3 | 22 | 11 | 32 | 57 | 10 | *2 |
| **11/16** | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| **3/4** | 27 | 22 | 12 | 32 | 67 | 10 | *2 |
| **13/16** | 29.5 | 22 | 12 | 32 | 71 | 10 | *2 |
| **7/8** | 30.8 | 22 | 13 | 32 | 72 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13401MS

6-point short sockets, Thin-walled.
Vasos Hexagonales de Pared Delgada, Short



| 13401MS (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 12.3 | 18.5 | 6 | 22 | 25 | 10 | *1 |
| **10** | 14.8 | 18.5 | 6 | 22 | 25 | 10 | *1 |
| **12** | 17.3 | 18.5 | 10 | 22 | 20 | 10 | *1 |
| **13** | 18.5 | 21.5 | 10 | 22 | 30 | 10 | *2 |
| **14** | 19.8 | 21.5 | 10 | 22 | 30 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## RS13401MS/5

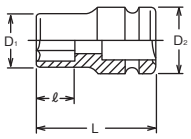
Socket Set on Rail
Juego de Vasos en Regleta

| RS13401MS/5 | 5 Pieces Set/Rail 150mm | (g) |
|---|---|---|
| | **8, 10, 12, 13, 14** | 180 |

## 13401M · 13401A

6-point Socket, Thin Walled
Vasos Hexagonales de Pared Delgada

thin




| 13401A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 1/4 | 9.8 | 18.5 | 5 | 32 | 28 | 10 | *1 |
| 5/16 | 12.3 | 18.5 | 6 | 32 | 31 | 10 | *1 |
| 3/8 | 14.8 | 18.5 | 7 | 32 | 34 | 10 | *1 |
| 7/16 | 16 | 18.5 | 8 | 32 | 35 | 10 | *1 |
| 1/2 | 18.5 | 21.5 | 10 | 32 | 43 | 10 | *2 |
| 9/16 | 19.8 | 21.5 | 10 | 32 | 49 | 10 | *2 |
| 5/8 | 22.3 | 21.5 | 11 | 32 | 51 | 10 | *2 |
| 11/16 | 23.5 | 21.5 | 12 | 32 | 54 | 10 | *2 |
| 3/4 | 26 | 21.5 | 12 | 32 | 60 | 10 | *2 |
| 13/16 | 28.5 | 21.5 | 12 | 32 | 70 | 10 | *2 |
| 7/8 | 29.8 | 21.5 | 13 | 32 | 73 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

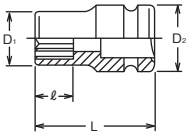
| 13401M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 6 | 9.8 | 18.5 | 5 | 32 | 28 | 10 | *1 |
| 7 | 11 | 18.5 | 5 | 32 | 30 | 10 | *1 |
| 8 | 12.3 | 18.5 | 6 | 32 | 31 | 10 | *1 |
| 9 | 13.5 | 18.5 | 7 | 32 | 32 | 10 | *1 |
| 10 | 14.8 | 18.5 | 7 | 32 | 34 | 10 | *1 |
| 11 | 16 | 18.5 | 8 | 32 | 35 | 10 | *1 |
| 12 | 17.3 | 18.5 | 9 | 32 | 36 | 10 | *1 |
| 13 | 18.5 | 21.5 | 10 | 32 | 43 | 10 | *2 |
| 14 | 19.8 | 21.5 | 10 | 32 | 49 | 10 | *2 |
| 15 | 21 | 21.5 | 11 | 32 | 49 | 10 | *2 |
| 16 | 22.3 | 21.5 | 11 | 32 | 51 | 10 | *2 |
| 17 | 23.5 | 21.5 | 12 | 32 | 54 | 10 | *2 |
| 18 | 24.8 | 21.5 | 12 | 32 | 57 | 10 | *2 |
| 19 | 26 | 21.5 | 12 | 32 | 60 | 10 | *2 |
| 20 | 27.3 | 21.5 | 12 | 32 | 65 | 10 | *2 |
| 21 | 28.5 | 21.5 | 12 | 32 | 70 | 10 | *2 |
| 22 | 29.8 | 21.5 | 13 | 32 | 73 | 10 | *2 |
| 23 | 31 | 21.5 | 13 | 32 | 73 | 10 | *2 |
| 24 | 32.3 | 21.5 | 13 | 32 | 75 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13406M · 13406A

12-point Socket, Thin Walled
Vasos Bihexagonales de Pared Delgada

thin




| 13406A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 1/4 | 9.8 | 18.5 | 5 | 32 | 28 | 10 | *1 |
| 5/16 | 12.3 | 18.5 | 6 | 32 | 31 | 10 | *1 |
| 3/8 | 14.8 | 18.5 | 7 | 32 | 34 | 10 | *1 |
| 7/16 | 16 | 18.5 | 8 | 32 | 35 | 10 | *1 |
| 1/2 | 18.5 | 21.5 | 10 | 32 | 43 | 10 | *2 |
| 9/16 | 19.8 | 21.5 | 10 | 32 | 49 | 10 | *2 |
| 5/8 | 22.3 | 21.5 | 11 | 32 | 51 | 10 | *2 |
| 11/16 | 23.5 | 21.5 | 12 | 32 | 54 | 10 | *2 |
| 3/4 | 26 | 21.5 | 12 | 32 | 60 | 10 | *2 |
| 13/16 | 28.5 | 21.5 | 12 | 32 | 70 | 10 | *2 |
| 7/8 | 29.8 | 21.5 | 13 | 32 | 73 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

| 13406M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 6 | 9.8 | 18.5 | 5 | 32 | 28 | 10 | *1 |
| 7 | 11 | 18.5 | 5 | 32 | 30 | 10 | *1 |
| 8 | 12.3 | 18.5 | 6 | 32 | 31 | 10 | *1 |
| 9 | 13.5 | 18.5 | 7 | 32 | 32 | 10 | *1 |
| 10 | 14.8 | 18.5 | 7 | 32 | 34 | 10 | *1 |
| 11 | 16 | 18.5 | 8 | 32 | 35 | 10 | *1 |
| 12 | 17.3 | 18.5 | 9 | 32 | 36 | 10 | *1 |
| 13 | 18.5 | 21.5 | 10 | 32 | 43 | 10 | *2 |
| 14 | 19.8 | 21.5 | 10 | 32 | 49 | 10 | *2 |
| 15 | 21 | 21.5 | 11 | 32 | 49 | 10 | *2 |
| 16 | 22.3 | 21.5 | 11 | 32 | 51 | 10 | *2 |
| 17 | 23.5 | 21.5 | 12 | 32 | 54 | 10 | *2 |
| 18 | 24.8 | 21.5 | 12 | 32 | 57 | 10 | *2 |
| 19 | 26 | 21.5 | 12 | 32 | 60 | 10 | *2 |
| 20 | 27.3 | 21.5 | 12 | 32 | 65 | 10 | *2 |
| 21 | 28.5 | 21.5 | 12 | 32 | 70 | 10 | *2 |
| 22 | 29.8 | 21.5 | 13 | 32 | 73 | 10 | *2 |
| 23 | 31 | 21.5 | 13 | 32 | 73 | 10 | *2 |
| 24 | 32.3 | 21.5 | 13 | 32 | 75 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## RS13401M/9

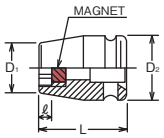
Socket Set on Rail
Juego de Vasos en Regleta

thin

| RS13401M/9 | 9 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| 8, 10, 12, 13, 14, 17, 19, 21, 22 | | 505 |

## 13400MG · 13400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



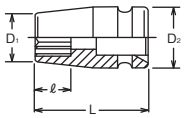
| 13400MG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 6 | 10.8 | 19 | 2.4 | 32 | 46 | 10 | *1 |
| 7 | 12 | 19 | 2.8 | 32 | 45 | 10 | *1 |
| 8 | 13.3 | 19 | 3.5 | 32 | 45 | 10 | *1 |
| 9 | 14.5 | 19 | 3.8 | 32 | 44 | 10 | *1 |
| 10 | 15.8 | 19 | 4.2 | 32 | 49 | 10 | *1 |
| 11 | 17 | 19 | 4.9 | 32 | 50 | 10 | *1 |
| 12 | 18.3 | 19 | 5.6 | 32 | 55 | 10 | *1 |
| 13 | 19.5 | 22 | 6 | 32 | 70 | 10 | *2 |
| 14 | 20.8 | 22 | 6.4 | 32 | 76 | 10 | *2 |
| 15 | 22 | 22 | 6.8 | 32 | 76 | 10 | *2 |
| 16 | 23.3 | 22 | 7 | 32 | 88 | 10 | *2 |
| 17 | 24.5 | 22 | 7.5 | 32 | 95 | 10 | *2 |
| 18 | 25.8 | 22 | 7.8 | 32 | 105 | 10 | *2 |
| 19 | 27 | 22 | 8 | 32 | 116 | 10 | *2 |
| 21 | 29.5 | 22 | 8 | 32 | 125 | 10 | *2 |
| 22 | 30.8 | 22 | 9.5 | 32 | 135 | 10 | *2 |

| 13400AG (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 1/4 | 10.8 | 19 | 2.4 | 32 | 46 | 10 | *1 |
| 5/16 | 13.3 | 19 | 3.5 | 32 | 45 | 10 | *1 |
| 11/32 | 14.5 | 19 | 3.8 | 32 | 44 | 10 | *1 |
| 3/8 | 15.8 | 19 | 4.2 | 32 | 49 | 10 | *1 |
| 7/16 | 17 | 19 | 4.9 | 32 | 50 | 10 | *1 |
| 1/2 | 19.5 | 22 | 6 | 32 | 70 | 10 | *2 |
| 9/16 | 20.8 | 22 | 6.4 | 32 | 76 | 10 | *2 |
| 5/8 | 23.3 | 22 | 7 | 32 | 88 | 10 | *2 |
| 11/16 | 24.5 | 22 | 7.5 | 32 | 95 | 10 | *2 |
| 3/4 | 27 | 22 | 8 | 32 | 116 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

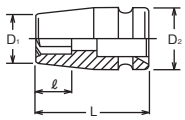


| 13410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 6 | 10.8 | 19 | 5 | 32 | 40 | 10 | *1 |
| 7 | 12 | 19 | 5 | 32 | 40 | 10 | *1 |
| 8 | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| 9 | 14.5 | 19 | 7 | 32 | 40 | 10 | *1 |
| 10 | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| 11 | 17 | 19 | 8 | 32 | 42 | 10 | *1 |
| 12 | 18.3 | 19 | 9 | 32 | 50 | 10 | *1 |
| 13 | 19.5 | 22 | 10 | 32 | 56 | 10 | *2 |
| 14 | 20.8 | 22 | 10 | 32 | 56 | 10 | *2 |
| 15 | 22 | 22 | 11 | 32 | 56 | 10 | *2 |
| 16 | 23.3 | 22 | 11 | 32 | 57 | 10 | *2 |
| 17 | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| 19 | 27 | 22 | 12 | 32 | 67 | 10 | *2 |
| 22 | 30.8 | 22 | 13 | 32 | 72 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13465M

Pathfinder Sockets
Vasos Pathfinder (Guía)



| 13465M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New 8 | 13.3 | 19 | 8 | 32 | 40 | 10 | *1 |
| 10 | 15.8 | 19 | 8 | 32 | 43 | 10 | *1 |
| 11 | 17 | 19 | 8 | 32 | 44 | 10 | *1 |
| 12 | 18.3 | 19 | 9 | 32 | 47 | 10 | *1 |
| 13 | 19.5 | 22 | 9 | 32 | 55 | 10 | *2 |
| 14 | 20.8 | 22 | 11 | 32 | 56 | 10 | *2 |
| 15 | 22 | 22 | 11 | 32 | 56 | 10 | *2 |
| 16 | 23.3 | 22 | 11 | 32 | 57 | 10 | *2 |
| 17 | 24.5 | 22 | 12 | 32 | 60 | 10 | *2 |
| 18 | 25.8 | 22 | 13 | 32 | 63 | 10 | *2 |
| 19 | 27 | 22 | 13 | 32 | 66 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13425

TORX® Sockets
Vasos TORX®

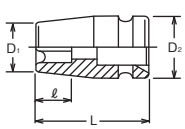
| 13425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| E 4 | 9.7 | 19 | 4.6 | 32 | 44 | 10 | *1 |
| E 5 | 10.2 | 19 | 5.2 | 32 | 43 | 10 | *1 |
| E 6 | 10.7 | 19 | 5.4 | 32 | 44 | 10 | *1 |
| E 7 | 11.2 | 19 | 6.6 | 32 | 44 | 10 | *1 |
| E 8 | 11.7 | 19 | 7 | 32 | 44 | 10 | *1 |
| E10 | 12.2 | 19 | 8.2 | 32 | 42 | 10 | *1 |
| E12 | 14.2 | 19 | 9.3 | 32 | 43 | 10 | *1 |
| E14 | 17.2 | 19 | 10.6 | 32 | 44 | 10 | *1 |
| E16 | 18.2 | 19 | 11.8 | 32 | 42 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
➡P232-233

## 13425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®

TORXplus®



| 13425-EPL (EPL) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8EPL | 12 | 19 | 5.2 | 32 | 44 | 10 | *1 |
| 10EPL | 13.3 | 19 | 6.2 | 32 | 44 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
➡P232-233

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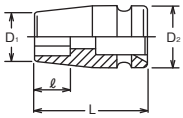
TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

## 13460M · 13460A

For Self-Tapping Screws
Para Tornillos Autorroscantes



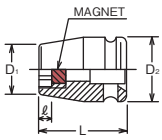

| 13460M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 11.4 | 19 | 5 | 32 | 43 | 10 | *1 |
| **7** | 12.8 | 19 | 5 | 32 | 44 | 10 | *1 |
| **8** | 14.1 | 19 | 6 | 32 | 44 | 10 | *1 |
| **10** | 16.6 | 19 | 7 | 32 | 45 | 10 | *1 |
| **13** | 20.3 | 22 | 10 | 32 | 60 | 10 | *2 |

| 13460A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 11.4 | 19 | 5 | 32 | 43 | 10 | *1 |
| **3/8** | 16.6 | 19 | 7 | 32 | 45 | 10 | *1 |
| **1/2** | 20.3 | 22 | 10 | 32 | 60 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13460MG · 13460AG

Sockets with magnets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes



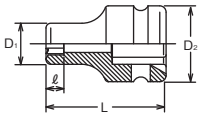

| 13460MG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 11.4 | 19 | 2.4 | 32 | 44 | 10 | *1 |
| **7** | 12.8 | 19 | 2.8 | 32 | 46 | 10 | *1 |
| **8** | 14.1 | 19 | 3.5 | 32 | 48 | 10 | *1 |
| **10** | 16.6 | 19 | 4.2 | 33 | 54 | 10 | *1 |
| **13** | 20.3 | 22 | 6 | 34 | 81 | 10 | *2 |

| 13460AG (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 11.4 | 19 | 2.4 | 32 | 44 | 10 | *1 |
| **5/16** | 14.1 | 19 | 3.5 | 32 | 48 | 10 | *1 |
| **3/8** | 16.6 | 19 | 4.2 | 33 | 54 | 10 | *1 |
| **1/2** | 20.3 | 22 | 6 | 34 | 81 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13401LH

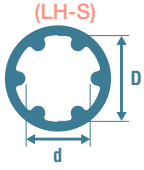
LHS Sockets
Vasos LHS




| 13401LH (LH-S) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **5S** | 11 | 19 | 5 | 32 | 32 | 10 | *1 |
| **6S** | 12.3 | 19 | 5.6 | 32 | 34 | 10 | *1 |
| **8S** | 16 | 19 | 6.8 | 32 | 36 | 10 | *1 |
| **10S** | 18.5 | 22 | 8 | 32 | 50 | 10 | *2 |
| **12S** | 22.3 | 22 | 9.2 | 32 | 58 | 10 | *2 |
| **14S** | 24.8 | 22 | 10.4 | 32 | 63 | 10 | *2 |
| **16S** | 28.5 | 22 | 11.6 | 32 | 77 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

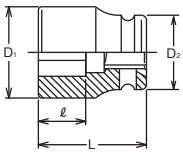
### LHSTIX® (LH-S)




| LH-S | | LH-5S | LH-6S | LH-8S | LH-10S | LH-12S | LH-14S | LH-16S |
|---|---|---|---|---|---|---|---|---|
| D | (ref. mm) | 7.5 | 9.0 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 |
| d | (ref. mm) | 5.60 | 6.78 | 9.04 | 11.30 | 13.56 | 15.82 | 18.08 |

## 13400-WN

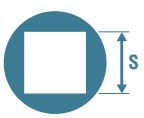
Weld Nut Sockets




| 13400-WN | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New **6WN** | 15.8 | 19 | 6 | 32 | 48 | 10 | *1 |
| **8WN** | 18.3 | 19 | 8 | 32 | 48 | 10 | *1 |
| **9WN** | 19.5 | 22 | 9 | 32 | 47 | 10 | *2 |
| **10WN** | 20.8 | 22 | 10 | 32 | 65 | 10 | *2 |
| **12WN** | 24.5 | 22 | 12 | 32 | 73 | 10 | *2 |
| **14WN** | 27 | 22 | 14 | 32 | 79 | 10 | *2 |
| **17WN** | 32 | 22 | 17 | 35 | 110 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

### WN




| WN | | 6WN | 8WN | 9WN | 10WN | 12WN | 14WN | 17WN |
|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 6 | 8 | 9 | 10 | 12 | 14 | 17 |

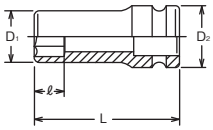


LHstix® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LHstix® es una marca registrada de **OSG CORPORATION** System Engineering Department.

## 13301X

6-point Sockets, Semi-deep
Vasos Hexagonales Medianos de Pared Delgada

thin




| 13301X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 12.3 | 18.5 | 8 | 50 | 40 | 10 | *1 |
| **10** | 14.8 | 18.5 | 10 | 50 | 46 | 10 | *1 |
| **11** | 16 | 18.5 | 11 | 50 | 49 | 10 | *1 |
| **12** | 17.3 | 18.5 | 12 | 50 | 53 | 10 | *1 |
| **13** | 18.5 | 21.5 | 13 | 50 | 67 | 10 | *2 |
| **14** | 19.8 | 21.5 | 14 | 50 | 70 | 10 | *2 |
| **15** | 21 | 21.5 | 15 | 50 | 75 | 10 | *2 |
| **16** | 22.3 | 21.5 | 16 | 50 | 78 | 10 | *2 |
| **17** | 23.5 | 21.5 | 17 | 50 | 82 | 10 | *2 |
| New **18** | 24.8 | 21.5 | 18 | 50 | 86 | 10 | *2 |
| **19** | 26 | 21.5 | 19 | 50 | 93 | 10 | *2 |
| **21** | 28.5 | 21.5 | 21 | 50 | 104 | 10 | *2 |
| **22** | 29.8 | 21.5 | 22 | 50 | 110 | 10 | *2 |
| **23** | 31 | 21.5 | 23 | 50 | 115 | 10 | *2 |
| **24** | 32.3 | 21.5 | 24 | 50 | 120 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## RS13301X/9

Socket Set on Rail
Juego de Vasos en Regleta

thin

| RS13301X/9 | 9 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| **8, 10, 12, 13, 14, 17, 19, 21, 22** | | 710 |

## 13300XG

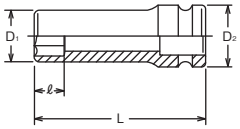
Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo

| 13300XG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13.3 | 19 | 4 | 50 | 40 | 10 | *1 |
| **10** | 15.8 | 19 | 4.5 | 50 | 46 | 10 | *1 |
| **12** | 18.3 | 19 | 6 | 50 | 55 | 10 | *1 |
| **13** | 19.5 | 22 | 6.5 | 50 | 70 | 10 | *2 |
| **14** | 20.8 | 22 | 7 | 50 | 75 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13300M · 13300A

6-point Sockets, deep
Vasos Hexagonales Largos




| 13300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10.8 | 19 | 6 | 80 | 77 | 10 | *1 |
| **7** | 12 | 19 | 7 | 80 | 82 | 10 | *1 |
| **8** | 13.3 | 19 | 8 | 80 | 82 | 10 | *1 |
| **9** | 14.5 | 19 | 9 | 80 | 88 | 10 | *1 |
| **10** | 15.8 | 19 | 10 | 80 | 94 | 10 | *1 |
| **11** | 17 | 19 | 11 | 80 | 110 | 10 | *1 |
| **12** | 18.3 | 19 | 12 | 80 | 111 | 10 | *1 |
| **13** | 19.5 | 22 | 13 | 80 | 138 | 10 | *2 |
| **14** | 20.8 | 22 | 14 | 80 | 148 | 10 | *2 |
| **15** | 22 | 22 | 15 | 80 | 157 | 10 | *2 |
| **16** | 23.3 | 22 | 16 | 80 | 156 | 10 | *2 |
| **17** | 24.5 | 22 | 17 | 80 | 168 | 10 | *2 |
| **18** | 25.8 | 22 | 18 | 80 | 190 | 10 | *2 |
| **19** | 27 | 22 | 19 | 80 | 192 | 10 | *2 |
| **20** | 28.3 | 22 | 20 | 80 | 224 | 10 | *2 |
| **21** | 29.5 | 22 | 21 | 80 | 226 | 10 | *2 |
| **22** | 30.8 | 22 | 22 | 80 | 231 | 10 | *2 |

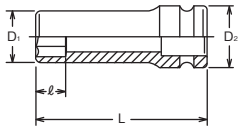
| 13300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1/4** | 10.8 | 19 | 6 | 80 | 77 | 10 | *1 |
| **5/16** | 13.3 | 19 | 8 | 80 | 82 | 10 | *1 |
| **3/8** | 15.8 | 19 | 10 | 80 | 94 | 10 | *1 |
| **7/16** | 17 | 19 | 11 | 80 | 110 | 10 | *1 |
| **1/2** | 19.5 | 22 | 13 | 80 | 138 | 10 | *2 |
| **9/16** | 20.8 | 22 | 14 | 80 | 148 | 10 | *2 |
| **5/8** | 23.3 | 22 | 16 | 80 | 156 | 10 | *2 |
| **11/16** | 24.5 | 22 | 17 | 80 | 168 | 10 | *2 |
| **3/4** | 27 | 22 | 19 | 80 | 192 | 10 | *2 |
| **13/16** | 29.5 | 22 | 21 | 80 | 226 | 10 | *2 |
| **7/8** | 30.8 | 22 | 22 | 80 | 231 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13301M · 13301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

thin



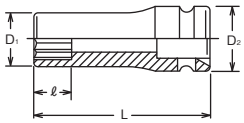

| 13301M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 6 | 10 | 18.5 | 6 | 80 | 65 | 10 | *1 |
| 7 | 11 | 18.5 | 7 | 80 | 66 | 10 | *1 |
| 8 | 12.3 | 18.5 | 8 | 80 | 68 | 10 | *1 |
| 9 | 13.5 | 18.5 | 9 | 80 | 70 | 10 | *1 |
| 10 | 14.8 | 18.5 | 10 | 80 | 72 | 10 | *1 |
| 11 | 16 | 18.5 | 11 | 80 | 80 | 10 | *1 |
| 12 | 17.3 | 18.5 | 12 | 80 | 85 | 10 | *1 |
| 13 | 18.5 | 21.5 | 13 | 80 | 100 | 10 | *2 |
| 14 | 19.8 | 21.5 | 14 | 80 | 110 | 10 | *2 |
| 15 | 21 | 21.5 | 15 | 80 | 120 | 10 | *2 |
| 16 | 22.3 | 21.5 | 16 | 80 | 130 | 10 | *2 |
| 17 | 23.5 | 21.5 | 17 | 80 | 136 | 10 | *2 |
| 18 | 24.8 | 21.5 | 18 | 80 | 145 | 10 | *2 |
| 19 | 26 | 21.5 | 19 | 80 | 155 | 10 | *2 |
| 20 | 27.3 | 21.5 | 20 | 80 | 170 | 10 | *2 |
| 21 | 28.5 | 21.5 | 21 | 80 | 181 | 10 | *2 |
| 22 | 29.8 | 21.5 | 22 | 80 | 190 | 10 | *2 |

| 13301A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 1/4 | 10 | 18.5 | 6 | 80 | 65 | 10 | *1 |
| 5/16 | 12.3 | 18.5 | 8 | 80 | 68 | 10 | *1 |
| 3/8 | 14.8 | 18.5 | 10 | 80 | 72 | 10 | *1 |
| 7/16 | 16 | 18.5 | 11 | 80 | 80 | 10 | *1 |
| 1/2 | 18.5 | 21.5 | 13 | 80 | 100 | 10 | *2 |
| 9/16 | 19.8 | 21.5 | 14 | 80 | 110 | 10 | *2 |
| 5/8 | 22.3 | 21.5 | 16 | 80 | 130 | 10 | *2 |
| 11/16 | 23.5 | 21.5 | 17 | 80 | 136 | 10 | *2 |
| 3/4 | 26 | 21.5 | 19 | 80 | 155 | 10 | *2 |
| 13/16 | 28.5 | 21.5 | 21 | 80 | 181 | 10 | *2 |
| 7/8 | 29.8 | 21.5 | 22 | 80 | 190 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P232-233

## 13305M

12-point Sockets, deep
Vasos Bihexagonales Largos

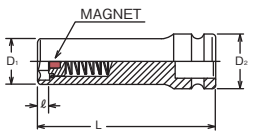



| 13305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 13.3 | 19 | 8 | 80 | 82 | 10 | *1 |
| 10 | 15.8 | 19 | 10 | 80 | 94 | 10 | *1 |
| 12 | 18.3 | 19 | 12 | 80 | 111 | 10 | *1 |
| 13 | 19.5 | 22 | 13 | 80 | 138 | 10 | *2 |
| 14 | 20.8 | 22 | 14 | 80 | 148 | 10 | *2 |
| New 17 | 24.5 | 22 | 17 | 80 | 168 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P232-233

## 13300G

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo

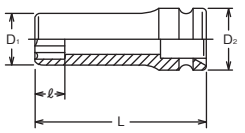



| 13300G (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 13.3 | 19 | 4 | 80 | 82 | 10 | *1 |
| 10 | 15.8 | 19 | 4.5 | 80 | 105 | 10 | *1 |
| 12 | 18.3 | 19 | 6 | 80 | 136 | 10 | *1 |
| 13 | 19.5 | 22 | 6.5 | 80 | 165 | 10 | *2 |
| 14 | 20.8 | 22 | 7 | 80 | 186 | 10 | *2 |
| 15 | 22 | 22 | 7 | 80 | 195 | 10 | *2 |
| 17 | 24.5 | 22 | 8 | 80 | 220 | 10 | *2 |
| 19 | 27 | 22 | 9 | 80 | 230 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P232-233

## 13310M

Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos

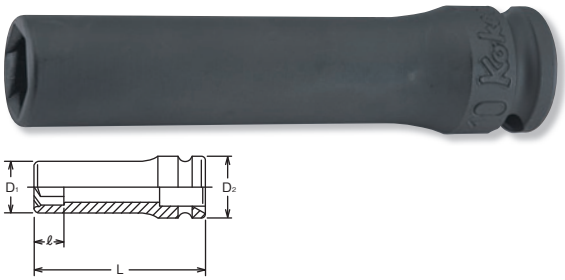



| 13310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New 7 | 11 | 18.5 | 7 | 80 | 70 | 10 | *1 |
| 8 | 13.3 | 19 | 8 | 80 | 90 | 10 | *1 |
| 9 | 14.5 | 19 | 9 | 80 | 90 | 10 | *1 |
| 10 | 15.8 | 19 | 10 | 80 | 97 | 10 | *1 |
| 11 | 17 | 19 | 11 | 80 | 110 | 10 | *1 |
| 12 | 18.3 | 19 | 12 | 80 | 105 | 10 | *1 |
| 13 | 19.5 | 22 | 13 | 80 | 135 | 10 | *2 |
| 14 | 20.8 | 22 | 14 | 80 | 145 | 10 | *2 |
| 15 | 22 | 22 | 15 | 80 | 160 | 10 | *2 |
| 16 | 23.3 | 22 | 16 | 80 | 156 | 10 | *2 |
| 17 | 24.5 | 22 | 17 | 80 | 168 | 10 | *2 |
| 19 | 27 | 22 | 19 | 80 | 190 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P232-233

## 13365M

Pathfinder Sockets deep
Vasos Pathfinder (Guía) Largos



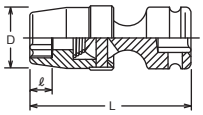



| 13365M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 8 | 80 | 99 | 10 | *1 |
| **11** | 17 | 19 | 8 | 80 | 108 | 10 | *1 |
| **12** | 18.3 | 19 | 9 | 80 | 110 | 10 | *1 |
| **13** | 19.5 | 22 | 9 | 80 | 142 | 10 | *2 |
| **14** | 20.8 | 22 | 11 | 80 | 144 | 10 | *2 |
| **15** | 22 | 22 | 11 | 80 | 150 | 10 | *2 |
| **16** | 23.3 | 22 | 11 | 80 | 159 | 10 | *2 |
| **17** | 24.5 | 22 | 12 | 80 | 170 | 10 | *2 |
| **18** | 25.8 | 22 | 13 | 80 | 201 | 10 | *2 |
| **19** | 27 | 22 | 13 | 80 | 203 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13440M · 13440A

Universal Sockets
Vasos con Articulación Universal



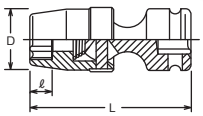

| 13440M (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **10** | 15.8 | 5 | 57 | 115 | 10 | *1 |
| **11** | 17 | 6 | 57 | 115 | 10 | *1 |
| **12** | 18.3 | 6 | 57 | 115 | 10 | *1 |
| **13** | 19.5 | 6 | 57 | 115 | 10 | *1 |
| **14** | 20.8 | 7 | 59 | 120 | 10 | *1 |
| **15** | 22 | 7 | 59 | 120 | 10 | *1 |
| **16** | 23.3 | 8 | 59 | 120 | 10 | *1 |
| **17** | 24.5 | 8 | 59 | 120 | 10 | *1 |
| **18** | 25.8 | 9 | 61 | 126 | 10 | *1 |
| **19** | 27 | 10 | 61 | 130 | 10 | *1 |
| **20** | 29.5 | 10 | 61 | 135 | 10 | *1 |
| **22** | 32 | 13 | 61 | 185 | 10 | *1 |
| **24** | 34.5 | 13 | 63 | 190 | 10 | *1 |

| 13440A (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **3/8** | 15.8 | 5 | 57 | 115 | 10 | *1 |
| **7/16** | 17 | 6 | 57 | 115 | 10 | *1 |
| **1/2** | 19.5 | 6 | 57 | 115 | 10 | *1 |
| **9/16** | 20.8 | 7 | 59 | 120 | 10 | *1 |
| **5/8** | 23.3 | 8 | 59 | 120 | 10 | *1 |
| **11/16** | 24.5 | 8 | 59 | 120 | 10 | *1 |
| **3/4** | 27 | 10 | 61 | 130 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

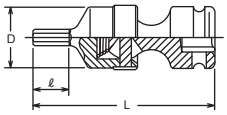



| 13440T (E) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **E10** | 13.3 | 8.2 | 58 | 115 | 10 | *1 |
| **E12** | 15.8 | 9.3 | 58 | 115 | 10 | *1 |
| **E14** | 17 | 10.6 | 58 | 115 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233

## 13430M

Universal Inhex Sockets
Vasos Inhex con Articulación Universal




| 13430M (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **5** | 24 | 15 | 74 | 120 | 10 | *1 |
| **6** | 24 | 15 | 74 | 131 | 10 | *1 |
| **8** | 24 | 20 | 74 | 136 | 10 | *1 |
| **10** | 24 | 20 | 74 | 141 | 10 | *1 |
| **17** | 24 | 7 | 53 | 150 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233



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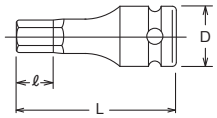
## 13012M-52

Inhex Sockets
Vasos con Punta Hexagonal

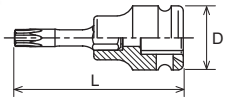



| 13012M.52 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **4** | 18 | 15.5 | 52 | 35 | 10 | *1 |
| **5** | 18 | 15.5 | 52 | 35 | 10 | *1 |
| **6** | 18 | 15.5 | 52 | 39 | 10 | *1 |
| New **7** | 18 | 15.5 | 52 | 44 | 10 | *1 |
| **8** | 21 | 15.5 | 52 | 60 | 10 | *2 |
| **10** | 21 | 15.5 | 52 | 70 | 10 | *2 |
| **12** | 21 | 15.5 | 52 | 79 | 10 | *2 |
| New **14** | 21 | 15.5 | 52 | 92 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

## 13025-50

TORX® Bit Sockets
Vasos con Punta TORX®




| 13025.50 (T) | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| **T20** | 19 | 50 | 35 | 10 | *1 |
| **T25** | 19 | 50 | 35 | 10 | *1 |
| **T27** | 19 | 50 | 38 | 10 | *1 |
| **T30** | 19 | 50 | 38 | 10 | *1 |
| **T40** | 19 | 50 | 45 | 10 | *1 |
| **T45** | 19 | 50 | 45 | 10 | *1 |
| **T50** | 19 | 50 | 50 | 10 | *1 |
| **T55** | 22 | 50 | 72 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

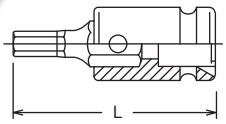
## RS13025/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

| RS13025/8-L50 | 8 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **T20, T25, T27, T30, T40, T45, T50, T55** | | 380 |

## 13105-11

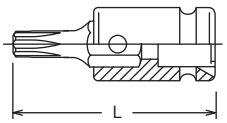
Hex Bit Sockets
Vasos con Punta Hexagonal




| 13105.11 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **3** | 54 | 87 | 10 | *1 |
| **4** | 54 | 87 | 10 | *1 |
| **5** | 54 | 88 | 10 | *1 |
| **6** | 54 | 89 | 10 | *1 |
| **7** | 54 | 90 | 10 | *1 |
| **8** | 54 | 92 | 10 | *1 |
| **10** | 54 | 96 | 10 | *1 |
| **12** | 54 | 101 | 10 | *1 |
| **14** | 54 | 108 | 10 | *1 |
| **17** | 54 | 120 | 10 | *1 |
| **19** | 54 | 128 | 10 | *1 |

## 13105-11 (T)

TORX® Bit Sockets
Vasos con Punta TORX®




| 13105.11 (inch) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **1/4** | 54 | 89 | 10 | *1 |
| **5/16** | 54 | 92 | 10 | *1 |
| **3/8** | 54 | 96 | 10 | *1 |
| **1/2** | 54 | 108 | 10 | *1 |
| **3/4** | 54 | 128 | 10 | *1 |

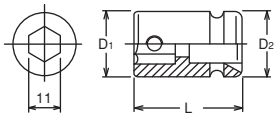
*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

| 13105.11 (T) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **T25** | 54 | 87 | 10 | *1 |
| **T30** | 54 | 87 | 10 | *1 |
| **T40** | 54 | 87 | 10 | *1 |
| **T45** | 54 | 87 | 10 | *1 |
| **T50** | 54 | 92 | 10 | *1 |
| **T55** | 54 | 96 | 10 | *1 |
| **T60** | 54 | 101 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

## 13105

Bit Holder, For 107-11
Porta Punta




| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **13105** | 22 | 22 | 32 | 70 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233


Replacement Screw : M5x6, ⬢2.5mm

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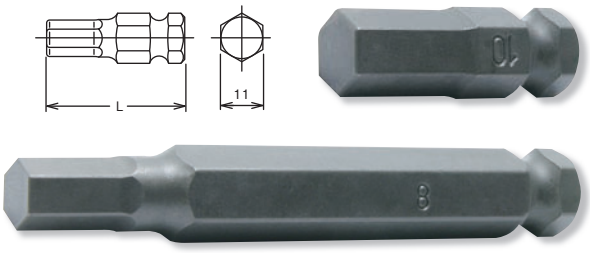
## 107-11

Bits for Inhex Screws
Puntas para Tornillos de Seis Lados en el Interior (Inhex)



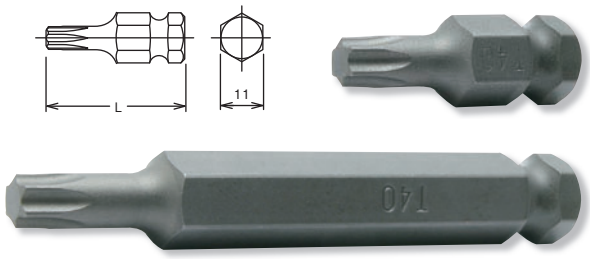

| 107.11 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3** | 35 | 15 | 10 |
| **4** | 35 | 16 | 10 |
| **5** | 35 | 16 | 10 |
| **6** | 35 | 18 | 10 |
| **7** | 35 | 19 | 10 |
| **8** | 35 | 20 | 10 |
| **10** | 35 | 26 | 10 |
| **11** | 35 | 28 | 10 |
| **12** | 35 | 31 | 10 |
| **14** | 35 | 38 | 10 |
| **16** | 35 | 47 | 10 |
| **17** | 35 | 50 | 10 |
| **18** | 35 | 53 | 10 |
| **19** | 35 | 56 | 10 |

| 107.11(L80) (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **4** | 80 | 54 | 10 |
| **5** | 80 | 54 | 10 |
| **6** | 80 | 56 | 10 |
| **7** | 80 | 57 | 10 |
| **8** | 80 | 59 | 10 |
| **10** | 80 | 64 | 10 |
| **11** | 80 | 66 | 10 |
| **12** | 80 | 76 | 10 |
| **14** | 80 | 98 | 10 |

| 107.11 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3/16** | 35 | 15 | 10 |
| **7/32** | 35 | 16 | 10 |
| **1/4** | 35 | 18 | 10 |
| **5/16** | 35 | 20 | 10 |
| **3/8** | 35 | 26 | 10 |
| **7/16** | 35 | 28 | 10 |
| **1/2** | 35 | 38 | 10 |
| **5/8** | 35 | 47 | 10 |
| **3/4** | 35 | 56 | 10 |

## 107-11 (T)

TORX® Bits
Puntas TORX®

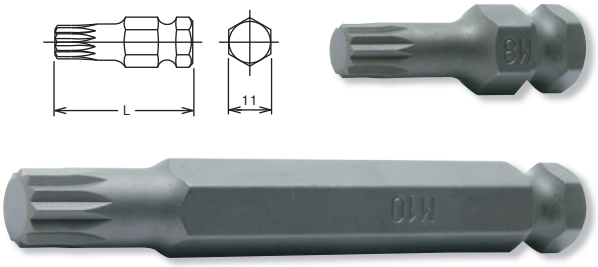



| 107.11 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T25** | 35 | 18 | 10 |
| **T30** | 35 | 18 | 10 |
| **T40** | 35 | 20 | 10 |
| **T45** | 35 | 22 | 10 |
| **T50** | 35 | 26 | 10 |
| **T55** | 35 | 31 | 10 |
| **T60** | 35 | 38 | 10 |

| 107.11(L80) (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T30** | 80 | 54 | 10 |
| **T40** | 80 | 54 | 10 |
| **T45** | 80 | 56 | 10 |
| **T50** | 80 | 57 | 10 |
| **T55** | 80 | 66 | 10 |
| **T60** | 80 | 76 | 10 |

## 107-11 (XZN)

XZN Bits
Puntas XZN




| 107.11 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 35 | 18 | 10 |
| **M 5** | 35 | 20 | 10 |
| **M 6** | 35 | 22 | 10 |
| **M 8** | 35 | 26 | 10 |
| **M10** | 35 | 31 | 10 |
| **M12** | 35 | 38 | 10 |

| 107.11(L80) (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 80 | 54 | 10 |
| **M 5** | 80 | 54 | 10 |
| **M 6** | 80 | 56 | 10 |
| **M 8** | 80 | 57 | 10 |
| **M10** | 80 | 66 | 10 |
| **M12** | 80 | 76 | 10 |
| **M14** | 80 | 80 | 10 |



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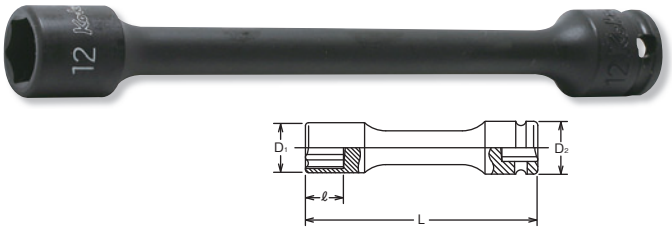
## 13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos






| 13145M.100 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13.3 | 19 | 8 | 100 | 90 | 1 | *1 |
| **10** | 15.8 | 19 | 10 | 100 | 92 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 100 | 100 | 1 | *1 |
| New **13** | 19.5 | 19 | 13 | 100 | 108 | 1 | *1 |
| **14** | 20.8 | 19 | 14 | 100 | 112 | 1 | *1 |
| **17** | 24.5 | 19 | 17 | 100 | 140 | 1 | *1 |

| 13145M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10.8 | 19 | 6 | 150 | 105 | 1 | *1 |
| **8** | 13.3 | 19 | 8 | 150 | 110 | 1 | *1 |
| **10** | 15.8 | 19 | 10 | 150 | 120 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 150 | 128 | 1 | *1 |
| **13** | 19.5 | 19 | 13 | 150 | 137 | 1 | *1 |
| **14** | 20.8 | 19 | 14 | 150 | 146 | 1 | *1 |
| **15** | 22 | 19 | 15 | 150 | 155 | 1 | *1 |
| **17** | 24.5 | 19 | 17 | 150 | 163 | 1 | *1 |

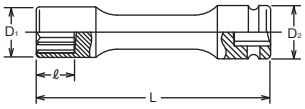
| 13145M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10.8 | 19 | 6 | 200 | 136 | 1 | *1 |
| **8** | 13.3 | 19 | 8 | 200 | 141 | 1 | *1 |
| **10** | 15.8 | 19 | 10 | 200 | 151 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 200 | 159 | 1 | *1 |
| **13** | 19.5 | 19 | 13 | 200 | 168 | 1 | *1 |
| **14** | 20.8 | 19 | 14 | 200 | 177 | 1 | *1 |
| **15** | 22 | 19 | 15 | 200 | 186 | 1 | *1 |
| **17** | 24.5 | 19 | 17 | 200 | 194 | 1 | *1 |

| 13145M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **6** | 10.8 | 19 | 6 | 250 | 167 | 1 | *1 |
| **8** | 13.3 | 19 | 8 | 250 | 172 | 1 | *1 |
| **10** | 15.8 | 19 | 10 | 250 | 182 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 250 | 190 | 1 | *1 |
| **13** | 19.5 | 19 | 13 | 250 | 199 | 1 | *1 |
| **14** | 20.8 | 19 | 14 | 250 | 208 | 1 | *1 |
| **15** | 22 | 19 | 15 | 250 | 217 | 1 | *1 |
| **17** | 24.5 | 19 | 17 | 250 | 225 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 13145M-100 (12P) · -150 (12P) · -200 (12P)

Extra Long 12-Point Sockets
Vasos Bihexagonales, Extra-Largos




| 13145M.100 (12P) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 10 | 100 | 91 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 100 | 100 | 1 | *1 |

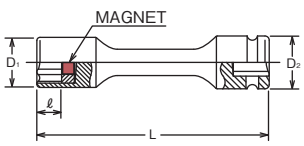
| 13145M.150 (12P) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 10 | 150 | 120 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 150 | 128 | 1 | *1 |

| 13145M.200 (12P) (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 10 | 200 | 151 | 1 | *1 |
| **12** | 18.3 | 19 | 12 | 200 | 159 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 13145MG-100 · -150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán




| 13145MG.100 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13.3 | 19 | 3.5 | 100 | 90 | 1 | *1 |
| **10** | 15.8 | 19 | 4.2 | 100 | 93 | 1 | *1 |
| **12** | 18.3 | 19 | 5.6 | 100 | 105 | 1 | *1 |
| **13** | 19.5 | 19 | 6 | 100 | 115 | 1 | *1 |
| **14** | 20.8 | 19 | 6.4 | 100 | 120 | 1 | *1 |

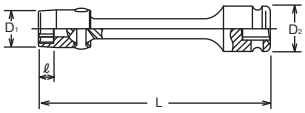
| 13145MG.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 4.2 | 150 | 125 | 1 | *1 |
| **12** | 18.3 | 19 | 5.6 | 150 | 136 | 1 | *1 |
| **13** | 19.5 | 19 | 6 | 150 | 145 | 1 | *1 |
| **14** | 20.8 | 19 | 6.4 | 150 | 150 | 1 | *1 |

| 13145MG.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 4.2 | 200 | 182 | 1 | *1 |
| **12** | 18.3 | 19 | 5.6 | 200 | 190 | 1 | *1 |
| **13** | 19.5 | 19 | 6 | 200 | 208 | 1 | *1 |
| **14** | 20.8 | 19 | 6.4 | 200 | 225 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal




| 13146M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 6 | 150 | 128 | 1 | *1 |
| **10** | 14.3 | 19 | 7 | 150 | 131 | 1 | *1 |
| **12** | 18 | 19 | 8 | 150 | 133 | 1 | *1 |
| **13** | 19.3 | 19 | 8.5 | 150 | 132 | 1 | *1 |
| **14** | 20 | 19 | 9 | 150 | 132 | 1 | *1 |

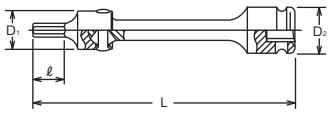
| 13146M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 6 | 200 | 159 | 1 | *1 |
| **10** | 14.3 | 19 | 7 | 200 | 162 | 1 | *1 |
| **12** | 18 | 19 | 8 | 200 | 164 | 1 | *1 |
| **13** | 19.3 | 19 | 8.5 | 200 | 163 | 1 | *1 |
| **14** | 20 | 19 | 9 | 200 | 163 | 1 | *1 |

| 13146M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **8** | 12 | 19 | 6 | 250 | 190 | 1 | *1 |
| **10** | 14.3 | 19 | 7 | 250 | 193 | 1 | *1 |
| **12** | 18 | 19 | 8 | 250 | 195 | 1 | *1 |
| **13** | 19.3 | 19 | 8.5 | 250 | 194 | 1 | *1 |
| **14** | 20 | 19 | 9 | 250 | 194 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 13147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal



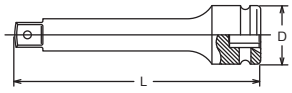

| 13147M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **4** | 21 | 19 | 15 | 150 | 125 | 1 | *1 |
| **5** | 21 | 19 | 15 | 150 | 128 | 1 | *1 |
| **6** | 21 | 19 | 15 | 150 | 132 | 1 | *1 |
| **8** | 21 | 19 | 15 | 150 | 136 | 1 | *1 |
| **10** | 21 | 19 | 15 | 150 | 140 | 1 | *1 |

| 13147M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **4** | 21 | 19 | 15 | 200 | 156 | 1 | *1 |
| **5** | 21 | 19 | 15 | 200 | 159 | 1 | *1 |
| **6** | 21 | 19 | 15 | 200 | 163 | 1 | *1 |
| **8** | 21 | 19 | 15 | 200 | 167 | 1 | *1 |
| **10** | 21 | 19 | 15 | 200 | 171 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 13760-75 · -100 · -125 · -150 · -200 · -250

Extension Bars
Alargaderas

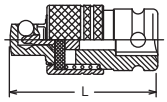



| 13760 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| **75** | 22 | 75 | 95 | 10 | *1 |
| **100** | 22 | 100 | 120 | 10 | *1 |
| **125** | 22 | 125 | 141 | 10 | *1 |
| **150** | 22 | 150 | 165 | 10 | *1 |
| **200** | 22 | 200 | 210 | 10 | *1 |
| **250** | 22 | 250 | 260 | 10 | *1 |

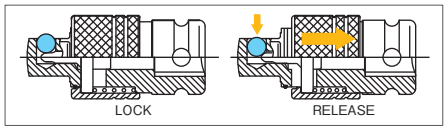
*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P232-233

## 13333AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)




**Lock & Quick Release**

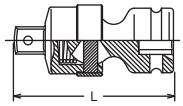


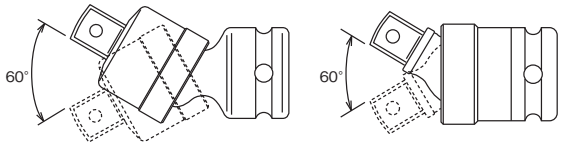

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **13333AL** | 45 | 62 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔P232-233

## 13770

Universal Joint
Articulatión Universal



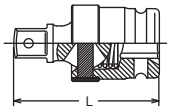



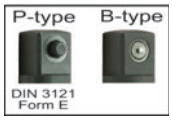

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **13770** | 56 | 110 | 10 | *1 |
| **13770-B** | 56 | 110 | 10 | *1 |
| **13770-P** | 56 | 110 | 10 | *1 |
| **13771** | 48 | 92 | 10 | *1 |
| **13771-B** | 48 | 92 | 10 | *1 |
| **13771-P** | 48 | 92 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

## 13771

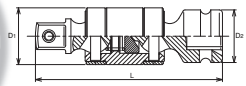
Universal Joint
Articulatión Universal




## 13772-P

Universal Joint
Articulatión Universal

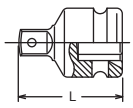



| | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| New **13772-P** | 22 | 19 | 75 | 120 | 5 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔P232-233

## 13322A

Adaptor
Adaptador



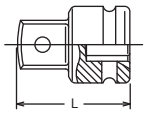

| | □ (sq.) | ◻ (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **13322A** | 3/8" | 1/4" | 25 | 25 | 10 | *1 |
| **13322A-B** | 3/8" | 1/4" | 25 | 25 | 10 | *1 |
| **13322A-P** | 3/8" | 1/4" | 25 | 25 | 10 | *1 |

*1 C-Ring=1301CC, Pin/O-Ring=1301A/B ➔P232-233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

## 13344A

Adaptor
Adaptador




| | □ (sq.) | ◻ (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **13344A** | 3/8" | 1/2" | 32.5 | 53 | 10 | *1 |
| **13344A-B** | 3/8" | 1/2" | 32.5 | 53 | 10 | *1 |
| **13344A-P** | 3/8" | 1/2" | 32.5 | 53 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P232-233

## 13241M

Socket Set
Juego de Vasos

| 13241M | 11 Pieces Set/⚖=850g |
|---|---|
| METAL CASE:W240×H30×T35mm | |
| Sockets | |
| **13400M** 6-pt. Sockets<br>9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | |

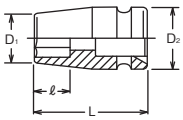
## 13242M

Socket Set
Juego de Vasos

| 13242M | 11 Pieces Set/⚖=1,140g |
|---|---|
| METAL CASE:W310×H90×T48mm | |
| Sockets | |
| **13400M** 6-pt. Sockets<br>9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | |

## 14400M · 14400A

6-point Sockets
Vasos Hexagonales



| 14400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New 1/4 | 12 | 25 | 5 | 38 | 80 | 10 | *1 |
| 5/16 | 14.5 | 25 | 6 | 38 | 85 | 10 | *1 |
| 3/8 | 17 | 25 | 7 | 38 | 85 | 10 | *1 |
| 7/16 | 18.2 | 25 | 8 | 38 | 85 | 10 | *1 |
| 1/2 | 20.7 | 25 | 10 | 38 | 85 | 10 | *1 |
| 9/16 | 22 | 25 | 10 | 38 | 85 | 10 | *1 |
| 5/8 | 24.5 | 30 | 11 | 38 | 130 | 10 | *2 |
| 11/16 | 25.7 | 30 | 12 | 38 | 130 | 10 | *2 |
| 3/4 | 28.2 | 30 | 13 | 38 | 125 | 10 | *2 |
| 13/16 | 30.7 | 30 | 14 | 38 | 120 | 10 | *2 |
| 7/8 | 32 | 30 | 14 | 38 | 130 | 10 | *2 |
| 15/16 | 34.5 | 30 | 14 | 38 | 135 | 10 | *2 |
| 1 | 35.7 | 30 | 14 | 38 | 135 | 10 | *2 |
| 1 1/16 | 38.2 | 30 | 16 | 40 | 160 | 10 | *2 |
| 1 1/8 | 40.7 | 30 | 17 | 42 | 190 | 10 | *2 |
| 1 3/16 | 42 | 30 | 17 | 42 | 190 | 10 | *2 |
| 1 1/4 | 44.5 | 30 | 18 | 42 | 216 | 10 | *2 |
| 1 5/16 | 45.7 | 30 | 19 | 46 | 260 | 5 | *2 |
| 1 3/8 | 47 | 30 | 19 | 46 | 263 | 5 | *2 |
| 1 1/2 | 52 | 30 | 20 | 53 | 365 | 5 | *2 |

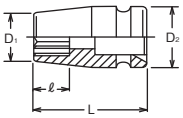
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

| 14400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 14.5 | 25 | 6 | 38 | 85 | 10 | *1 |
| 9 | 15.7 | 25 | 7 | 38 | 85 | 10 | *1 |
| 10 | 17 | 25 | 7 | 38 | 85 | 10 | *1 |
| 11 | 18.2 | 25 | 8 | 38 | 85 | 10 | *1 |
| 12 | 19.5 | 25 | 9 | 38 | 85 | 10 | *1 |
| 13 | 20.7 | 25 | 10 | 38 | 85 | 10 | *1 |
| 14 | 22 | 25 | 10 | 38 | 85 | 10 | *1 |
| 15 | 23.2 | 30 | 11 | 38 | 130 | 10 | *2 |
| 16 | 24.5 | 30 | 11 | 38 | 130 | 10 | *2 |
| 17 | 25.7 | 30 | 12 | 38 | 130 | 10 | *2 |
| 18 | 27 | 30 | 13 | 38 | 130 | 10 | *2 |
| 19 | 28.2 | 30 | 13 | 38 | 125 | 10 | *2 |
| 20 | 29.5 | 30 | 13 | 38 | 127 | 10 | *2 |
| 21 | 30.7 | 30 | 14 | 38 | 120 | 10 | *2 |
| 22 | 32 | 30 | 14 | 38 | 130 | 10 | *2 |
| 23 | 33.2 | 30 | 14 | 38 | 130 | 10 | *2 |
| 24 | 34.5 | 30 | 14 | 38 | 135 | 10 | *2 |
| 25 | 35.7 | 30 | 14 | 38 | 135 | 10 | *2 |
| 26 | 37 | 30 | 14 | 38 | 160 | 10 | *2 |
| 27 | 38.2 | 30 | 16 | 40 | 160 | 10 | *2 |
| 28 | 39.5 | 30 | 16 | 40 | 170 | 10 | *2 |
| 29 | 40.7 | 30 | 17 | 42 | 190 | 10 | *2 |
| 30 | 42 | 30 | 17 | 42 | 190 | 10 | *2 |
| 31 | 43.2 | 30 | 17 | 42 | 213 | 10 | *2 |
| 32 | 44.5 | 30 | 18 | 42 | 216 | 10 | *2 |
| 33 | 45.7 | 30 | 19 | 46 | 260 | 5 | *2 |
| 34 | 47 | 30 | 19 | 46 | 263 | 5 | *2 |
| 35 | 48.2 | 30 | 19 | 46 | 275 | 5 | *2 |
| 36 | 49.5 | 30 | 20 | 46 | 285 | 5 | *2 |
| 41 | 55.7 | 30 | 21 | 55 | 411 | 2 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14405M · 14405A

12-point Sockets
Vasos Bihexagonales



| 14405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 5/16 | 14.5 | 25 | 6 | 38 | 85 | 10 | *1 |
| 3/8 | 17 | 25 | 7 | 38 | 85 | 10 | *1 |
| 7/16 | 18.2 | 25 | 8 | 38 | 85 | 10 | *1 |
| 1/2 | 20.7 | 25 | 10 | 38 | 85 | 10 | *1 |
| 9/16 | 22 | 25 | 10 | 38 | 85 | 10 | *1 |
| 5/8 | 24.5 | 30 | 11 | 38 | 130 | 10 | *2 |
| 11/16 | 25.7 | 30 | 12 | 38 | 130 | 10 | *2 |
| 3/4 | 28.2 | 30 | 13 | 38 | 125 | 10 | *2 |
| 13/16 | 30.7 | 30 | 14 | 38 | 120 | 10 | *2 |
| 7/8 | 32 | 30 | 14 | 38 | 130 | 10 | *2 |
| 15/16 | 34.5 | 30 | 14 | 38 | 135 | 10 | *2 |
| 1 | 35.7 | 30 | 14 | 38 | 135 | 10 | *2 |
| 1 1/16 | 38.2 | 30 | 16 | 40 | 160 | 10 | *2 |
| 1 1/8 | 40.7 | 30 | 17 | 42 | 190 | 10 | *2 |
| 1 3/16 | 42 | 30 | 17 | 42 | 190 | 10 | *2 |
| 1 1/4 | 44.5 | 30 | 18 | 42 | 216 | 10 | *2 |
| 1 5/16 | 45.7 | 30 | 19 | 46 | 260 | 5 | *2 |
| 1 3/8 | 47 | 30 | 19 | 46 | 263 | 5 | *2 |
| 1 1/2 | 52 | 30 | 20 | 53 | 365 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

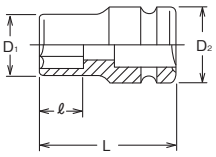
| 14405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 14.5 | 25 | 6 | 38 | 85 | 10 | *1 |
| 9 | 15.7 | 25 | 7 | 38 | 85 | 10 | *1 |
| 10 | 17 | 25 | 7 | 38 | 85 | 10 | *1 |
| 11 | 18.2 | 25 | 8 | 38 | 84 | 10 | *1 |
| 12 | 19.5 | 25 | 9 | 38 | 84 | 10 | *1 |
| 13 | 20.7 | 25 | 10 | 38 | 84 | 10 | *1 |
| 14 | 22 | 25 | 10 | 38 | 84 | 10 | *1 |
| 15 | 23.2 | 30 | 11 | 38 | 130 | 10 | *2 |
| 16 | 24.5 | 30 | 11 | 38 | 127 | 10 | *2 |
| 17 | 25.7 | 30 | 12 | 38 | 128 | 10 | *2 |
| 18 | 27 | 30 | 13 | 38 | 130 | 10 | *2 |
| 19 | 28.2 | 30 | 13 | 38 | 125 | 10 | *2 |
| 20 | 29.5 | 30 | 13 | 38 | 127 | 10 | *2 |
| 21 | 30.7 | 30 | 14 | 38 | 120 | 10 | *2 |
| 22 | 32 | 30 | 14 | 38 | 130 | 10 | *2 |
| 23 | 33.2 | 30 | 14 | 38 | 132 | 10 | *2 |
| 24 | 34.5 | 30 | 14 | 38 | 133 | 10 | *2 |
| 26 | 37 | 30 | 14 | 38 | 147 | 10 | *2 |
| 27 | 38.2 | 30 | 16 | 40 | 157 | 10 | *2 |
| 28 | 39.5 | 30 | 16 | 40 | 170 | 10 | *2 |
| 30 | 42 | 30 | 17 | 42 | 190 | 10 | *2 |
| 32 | 44.5 | 30 | 18 | 42 | 216 | 10 | *2 |
| 36 | 49.5 | 30 | 20 | 46 | 285 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14401M · 14401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada

thin




| | 14401A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| New | 1/4 | 10.5 | 24 | 5 | 38 | 55 | 10 | *1 |
| | 5/16 | 13 | 24 | 6 | 38 | 57 | 10 | *1 |
| | 3/8 | 15.5 | 24 | 7 | 38 | 60 | 10 | *1 |
| | 7/16 | 16.7 | 24 | 8 | 38 | 62 | 10 | *1 |
| | 1/2 | 19.2 | 24 | 10 | 38 | 65 | 10 | *1 |
| | 9/16 | 20.5 | 24 | 10 | 38 | 67 | 10 | *1 |
| | 5/8 | 23 | 29 | 11 | 38 | 102 | 10 | *2 |
| | 11/16 | 24.2 | 29 | 12 | 38 | 105 | 10 | *2 |
| | 3/4 | 26.7 | 29 | 13 | 38 | 107 | 10 | *2 |
| | 13/16 | 29.2 | 29 | 14 | 38 | 109 | 10 | *2 |
| | 7/8 | 30.5 | 29 | 14 | 38 | 114 | 10 | *2 |
| | 15/16 | 33 | 29 | 14 | 38 | 122 | 10 | *2 |
| | 1 | 34.2 | 29 | 14 | 38 | 129 | 10 | *2 |
| | 1 1/16 | 35.5 | 29 | 14 | 40 | 131 | 10 | *2 |
| | 1 1/8 | 39.2 | 29 | 17 | 42 | 165 | 10 | *2 |
| | 1 3/16 | 40.5 | 29 | 17 | 42 | 178 | 10 | *2 |
| | 1 1/4 | 43 | 29 | 18 | 42 | 188 | 10 | *2 |
| | 1 5/16 | 44.2 | 29 | 19 | 46 | 219 | 5 | *2 |
| | 1 3/8 | 45.5 | 29 | 19 | 46 | 248 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

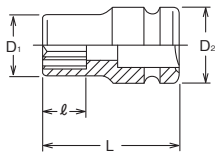
| 14401M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 13 | 24 | 6 | 38 | 57 | 10 | *1 |
| 9 | 14.2 | 24 | 7 | 38 | 58 | 10 | *1 |
| 10 | 15.5 | 24 | 7 | 38 | 60 | 10 | *1 |
| 11 | 16.7 | 24 | 8 | 38 | 62 | 10 | *1 |
| 12 | 18 | 24 | 9 | 38 | 63 | 10 | *1 |
| 13 | 19.2 | 24 | 10 | 38 | 65 | 10 | *1 |
| 14 | 20.5 | 24 | 10 | 38 | 67 | 10 | *1 |
| 15 | 21.7 | 29 | 11 | 38 | 100 | 10 | *2 |
| 16 | 23 | 29 | 11 | 38 | 102 | 10 | *2 |
| 17 | 24.2 | 29 | 12 | 38 | 105 | 10 | *2 |
| 18 | 25.5 | 29 | 13 | 38 | 105 | 10 | *2 |
| 19 | 26.7 | 29 | 13 | 38 | 107 | 10 | *2 |
| 20 | 28 | 29 | 13 | 38 | 108 | 10 | *2 |
| 21 | 29.2 | 29 | 14 | 38 | 109 | 10 | *2 |
| 22 | 30.5 | 29 | 14 | 38 | 114 | 10 | *2 |
| 23 | 31.7 | 29 | 14 | 38 | 118 | 10 | *2 |
| 24 | 33 | 29 | 14 | 38 | 122 | 10 | *2 |
| 25 | 34.2 | 29 | 14 | 38 | 129 | 10 | *2 |
| 26 | 35.5 | 29 | 14 | 38 | 131 | 10 | *2 |
| 27 | 36.7 | 29 | 16 | 40 | 145 | 10 | *2 |
| 28 | 38 | 29 | 16 | 40 | 152 | 10 | *2 |
| 29 | 39.2 | 29 | 17 | 42 | 165 | 10 | *2 |
| 30 | 40.5 | 29 | 17 | 42 | 178 | 10 | *2 |
| 31 | 41.7 | 29 | 17 | 42 | 185 | 10 | *2 |
| 32 | 43 | 29 | 18 | 42 | 188 | 10 | *2 |
| 33 | 44.2 | 29 | 19 | 46 | 219 | 5 | *2 |
| 34 | 45.5 | 29 | 19 | 46 | 248 | 5 | *2 |
| 36 | 48 | 29 | 20 | 46 | 264 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14406M · 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada

thin




| | 14406A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| New | 1/4 | 10.5 | 24 | 5 | 38 | 55 | 10 | *1 |
| | 5/16 | 13 | 24 | 6 | 38 | 57 | 10 | *1 |
| | 3/8 | 15.5 | 24 | 7 | 38 | 60 | 10 | *1 |
| | 7/16 | 16.7 | 24 | 8 | 38 | 62 | 10 | *1 |
| | 1/2 | 19.2 | 24 | 10 | 38 | 65 | 10 | *1 |
| | 9/16 | 20.5 | 24 | 10 | 38 | 67 | 10 | *1 |
| | 5/8 | 23 | 29 | 11 | 38 | 102 | 10 | *2 |
| | 11/16 | 24.2 | 29 | 12 | 38 | 105 | 10 | *2 |
| | 3/4 | 26.7 | 29 | 13 | 38 | 107 | 10 | *2 |
| | 13/16 | 29.2 | 29 | 14 | 38 | 109 | 10 | *2 |
| | 7/8 | 30.5 | 29 | 14 | 38 | 114 | 10 | *2 |
| | 15/16 | 33 | 29 | 14 | 38 | 122 | 10 | *2 |
| | 1 | 34.2 | 29 | 14 | 38 | 129 | 10 | *2 |
| | 1 1/16 | 35.5 | 29 | 14 | 40 | 131 | 10 | *2 |
| | 1 1/8 | 39.2 | 29 | 17 | 42 | 165 | 10 | *2 |
| | 1 3/16 | 40.5 | 29 | 17 | 42 | 178 | 10 | *2 |
| | 1 1/4 | 43 | 29 | 18 | 42 | 188 | 10 | *2 |
| | 1 5/16 | 44.2 | 29 | 19 | 46 | 219 | 5 | *2 |
| | 1 3/8 | 45.5 | 29 | 19 | 46 | 248 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

| 14406M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 13 | 24 | 6 | 38 | 57 | 10 | *1 |
| 9 | 14.2 | 24 | 7 | 38 | 58 | 10 | *1 |
| 10 | 15.5 | 24 | 7 | 38 | 60 | 10 | *1 |
| 11 | 16.7 | 24 | 8 | 38 | 62 | 10 | *1 |
| 12 | 18 | 24 | 9 | 38 | 63 | 10 | *1 |
| 13 | 19.2 | 24 | 10 | 38 | 65 | 10 | *1 |
| 14 | 20.5 | 24 | 10 | 38 | 67 | 10 | *1 |
| 15 | 21.7 | 29 | 11 | 38 | 100 | 10 | *2 |
| 16 | 23 | 29 | 11 | 38 | 102 | 10 | *2 |
| 17 | 24.2 | 29 | 12 | 38 | 105 | 10 | *2 |
| 18 | 25.5 | 29 | 13 | 38 | 105 | 10 | *2 |
| 19 | 26.7 | 29 | 13 | 38 | 107 | 10 | *2 |
| 20 | 28 | 29 | 13 | 38 | 108 | 10 | *2 |
| 21 | 29.2 | 29 | 14 | 38 | 109 | 10 | *2 |
| 22 | 30.5 | 29 | 14 | 38 | 114 | 10 | *2 |
| 23 | 31.7 | 29 | 14 | 38 | 118 | 10 | *2 |
| 24 | 33 | 29 | 14 | 38 | 122 | 10 | *2 |
| 25 | 34.2 | 29 | 14 | 38 | 129 | 10 | *2 |
| 26 | 35.5 | 29 | 14 | 38 | 131 | 10 | *2 |
| 27 | 36.7 | 29 | 16 | 40 | 145 | 10 | *2 |
| 28 | 38 | 29 | 16 | 40 | 152 | 10 | *2 |
| 29 | 39.2 | 29 | 17 | 42 | 165 | 10 | *2 |
| 30 | 40.5 | 29 | 17 | 42 | 178 | 10 | *2 |
| 31 | 41.7 | 29 | 17 | 42 | 185 | 10 | *2 |
| 32 | 43 | 29 | 18 | 42 | 188 | 10 | *2 |
| 33 | 44.2 | 29 | 19 | 46 | 219 | 5 | *2 |
| 34 | 45.5 | 29 | 19 | 46 | 248 | 5 | *2 |
| 36 | 48 | 29 | 20 | 46 | 264 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## RS14401M/10

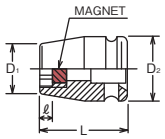
Socket Set on Rail
Juego de Vasos en Regleta

thin

| RS14401M/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| | 10, 12, 13, 14, 17, 19, 21, 22, 24, 27 | 1,010 |

## 14400MG

6-point Sockets with Magnet
Vasos Hexagonales con Imán

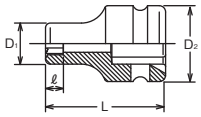


| 14400MG (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 14.5 | 25 | 3.5 | 38 | 95 | 10 | *1 |
| **10** | 17 | 25 | 4.2 | 38 | 95 | 10 | *1 |
| **12** | 19.5 | 25 | 5.6 | 38 | 100 | 10 | *1 |
| **13** | 20.7 | 25 | 6 | 38 | 100 | 10 | *1 |
| **14** | 22 | 25 | 6.4 | 38 | 105 | 10 | *1 |
| **15** | 23.2 | 30 | 6.8 | 38 | 140 | 10 | *2 |
| **16** | 24.5 | 30 | 7 | 38 | 145 | 10 | *2 |
| **17** | 25.7 | 30 | 7.5 | 38 | 145 | 10 | *2 |
| **18** | 27 | 30 | 7.8 | 38 | 147 | 10 | *2 |
| **19** | 28.2 | 30 | 8 | 38 | 147 | 10 | *2 |
| **21** | 30.7 | 30 | 13.5 | 38 | 165 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14401LH

LHS Sockets
Vasos LHS

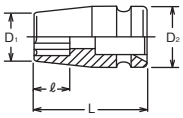


| 14401LH (LH-S) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6S** | 13 | 25 | 5.6 | 38 | 65 | 10 | *1 |
| **8S** | 16.7 | 25 | 6.8 | 38 | 69 | 10 | *1 |
| **10S** | 19.2 | 25 | 8 | 38 | 75 | 10 | *1 |
| **12S** | 23 | 30 | 9.2 | 38 | 115 | 10 | *2 |
| **14S** | 25.5 | 30 | 10.4 | 38 | 121 | 10 | *2 |
| **16S** | 29.2 | 30 | 11.6 | 38 | 128 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



| 14410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 17 | 25 | 7 | 38 | 100 | 10 | *1 |
| **11** | 18.2 | 25 | 8 | 38 | 103 | 10 | *1 |
| **12** | 19.5 | 25 | 9 | 38 | 110 | 10 | *1 |
| **13** | 20.7 | 25 | 10 | 38 | 113 | 10 | *1 |
| **14** | 22 | 25 | 10 | 38 | 115 | 10 | *1 |
| **15** | 23.2 | 30 | 11 | 38 | 120 | 10 | *2 |
| **16** | 24.5 | 30 | 11 | 38 | 120 | 10 | *2 |
| **17** | 25.7 | 30 | 12 | 38 | 126 | 10 | *2 |
| **18** | 27 | 30 | 13 | 38 | 121 | 10 | *2 |
| **19** | 28.2 | 30 | 13 | 38 | 124 | 10 | *2 |
| **20** | 29.5 | 30 | 13 | 38 | 123 | 10 | *2 |
| **21** | 30.7 | 30 | 14 | 38 | 120 | 10 | *2 |
| **22** | 32 | 30 | 14 | 38 | 130 | 10 | *2 |
| **24** | 34.5 | 30 | 14 | 38 | 134 | 10 | *2 |
| **25** | 35.7 | 30 | 14 | 38 | 135 | 10 | *2 |
| **26** | 37 | 30 | 14 | 38 | 160 | 10 | *2 |
| **27** | 38.2 | 30 | 16 | 40 | 160 | 10 | *2 |
| **28** | 39.5 | 30 | 16 | 40 | 170 | 10 | *2 |
| **29** | 40.7 | 30 | 17 | 42 | 190 | 10 | *2 |
| **30** | 42 | 30 | 17 | 42 | 190 | 10 | *2 |
| **31** | 43.2 | 30 | 17 | 42 | 213 | 10 | *2 |
| **32** | 44.5 | 30 | 18 | 42 | 216 | 10 | *2 |
| **34** | 47 | 30 | 19 | 46 | 263 | 5 | *2 |
| **36** | 49.5 | 30 | 20 | 46 | 263 | 5 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

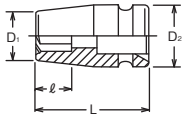
## SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

## 14465M

Pathfinder Sockets
Vasos Pathfinder (Guía)



| 14465M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 17 | 25 | 8 | 38 | 89 | 10 | *1 |
| **11** | 18.2 | 25 | 8 | 38 | 87 | 10 | *1 |
| **12** | 19.5 | 25 | 9 | 38 | 87 | 10 | *1 |
| **13** | 20.7 | 25 | 9 | 38 | 86 | 10 | *1 |
| **14** | 22 | 25 | 11 | 38 | 86 | 10 | *1 |
| **15** | 23.2 | 30 | 11 | 38 | 131 | 10 | *2 |
| **16** | 24.5 | 30 | 11 | 38 | 131 | 10 | *2 |
| **17** | 25.7 | 30 | 12 | 38 | 132 | 10 | *2 |
| **18** | 27 | 30 | 13 | 38 | 128 | 10 | *2 |
| **19** | 28.2 | 30 | 13 | 38 | 128 | 10 | *2 |
| **20** | 29.5 | 30 | 14 | 38 | 125 | 10 | *2 |
| **21** | 30.7 | 30 | 14 | 38 | 128 | 10 | *2 |
| **22** | 32 | 30 | 15 | 38 | 130 | 10 | *2 |
| **23** | 33.2 | 30 | 15 | 38 | 135 | 10 | *2 |
| **24** | 34.5 | 30 | 15 | 38 | 135 | 10 | *2 |
| **25** | 35.7 | 30 | 15 | 38 | 133 | 10 | *2 |
| **26** | 37 | 30 | 15 | 38 | 152 | 10 | *2 |
| **27** | 38.2 | 30 | 16 | 40 | 169 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## PATHFINDER®

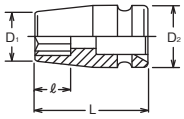
The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately.
PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.
Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

LHstix® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LHstix® es una marca registrada de **OSG CORPORATION** System Engineering Department.

## 14415M

Double Square Sockets
Vasos Octagonales

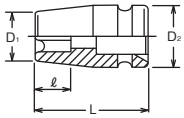



| 14415M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **14** | 25.7 | 30 | 10 | 38 | 138 | 10 | *1 |
| **15** | 27 | 30 | 11 | 38 | 145 | 10 | *1 |
| **16** | 29.5 | 30 | 11 | 38 | 150 | 10 | *1 |
| **17** | 30.7 | 30 | 12 | 38 | 155 | 10 | *1 |
| **18** | 32 | 30 | 13 | 38 | 165 | 10 | *1 |
| **19** | 33.2 | 30 | 14 | 38 | 170 | 10 | *1 |
| **22** | 38.2 | 30 | 14 | 40 | 185 | 10 | *1 |
| **24** | 42 | 30 | 14 | 42 | 215 | 10 | *1 |
| **27** | 45.7 | 30 | 16 | 46 | 278 | 5 | *1 |
| **28** | 47 | 30 | 16 | 46 | 285 | 5 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14425

TORX® Sockets
Vasos TORX®




| 14425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **E10** | 14.2 | 25 | 8.2 | 38 | 86 | 10 | *1 |
| New **E11** | 14.7 | 25 | 8.7 | 38 | 86 | 10 | *1 |
| **E12** | 15.2 | 25 | 9.3 | 38 | 85 | 10 | *1 |
| **E14** | 18.2 | 25 | 10.6 | 38 | 88 | 10 | *1 |
| **E16** | 19.2 | 25 | 11.8 | 38 | 88 | 10 | *1 |
| **E18** | 22.2 | 25 | 13 | 38 | 89 | 10 | *1 |
| **E20** | 24.2 | 30 | 14.4 | 38 | 134 | 10 | *2 |
| **E22** | 26.2 | 30 | 15.5 | 40 | 140 | 10 | *2 |
| **E24** | 28.2 | 30 | 17 | 40 | 138 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®

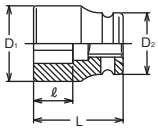
TORX plus®

| 14425-EPL (EPL) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10EPL** | 14.5 | 25 | 6.2 | 38 | 86 | 10 | *1 |
| **12EPL** | 17 | 25 | 7.2 | 38 | 86 | 10 | *1 |
| **14EPL** | 18.2 | 25 | 8.1 | 38 | 88 | 10 | *1 |
| **16EPL** | 20.7 | 25 | 9.1 | 38 | 88 | 10 | *1 |
| **18EPL** | 22 | 25 | 10.2 | 38 | 90 | 10 | *1 |
| **20EPL** | 24.5 | 30 | 11.2 | 38 | 135 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14400-WN

Weld Nut Sockets



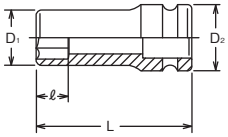

| 14400-WN | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8WN** | 18.3 | 25 | 8 | 38 | 93 | 10 | *1 |
| **9WN** | 19.5 | 25 | 9 | 38 | 93 | 10 | *1 |
| **10WN** | 20.8 | 25 | 10 | 38 | 92 | 10 | *1 |
| **12WN** | 24.5 | 30 | 12 | 38 | 139 | 10 | *2 |
| **14WN** | 27 | 30 | 14 | 38 | 136 | 10 | *2 |
| **17WN** | 32 | 30 | 17 | 40 | 150 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14301X

6-point Sockets, Semi-Deep
Vasos Hexagonales Madianos de pared Delgada

thin




| 14301X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13 | 24 | 8 | 60 | 72 | 10 | *1 |
| **10** | 15.5 | 24 | 10 | 60 | 79 | 10 | *1 |
| **11** | 16.7 | 24 | 11 | 60 | 82 | 10 | *1 |
| **12** | 18 | 24 | 12 | 60 | 88 | 10 | *1 |
| **13** | 19.2 | 24 | 13 | 60 | 92 | 10 | *1 |
| **14** | 20.5 | 24 | 14 | 60 | 97 | 10 | *1 |
| **15** | 21.7 | 29 | 15 | 60 | 125 | 10 | *2 |
| **16** | 23 | 29 | 16 | 60 | 135 | 10 | *2 |
| **17** | 24.2 | 29 | 17 | 60 | 142 | 10 | *2 |
| New **18** | 25.5 | 29 | 18 | 60 | 148 | 10 | *2 |
| **19** | 26.7 | 29 | 19 | 60 | 151 | 10 | *2 |
| **21** | 29.2 | 29 | 21 | 60 | 170 | 10 | *2 |
| **22** | 30.5 | 29 | 22 | 65 | 187 | 10 | *2 |
| **23** | 31.7 | 29 | 23 | 65 | 192 | 10 | *2 |
| **24** | 33 | 29 | 24 | 65 | 202 | 10 | *2 |
| **26** | 35.5 | 29 | 26 | 65 | 218 | 10 | *2 |
| **27** | 36.7 | 29 | 27 | 65 | 231 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## RS14301X/10

Socket Set on Rail
Juego de Vasos en Regleta

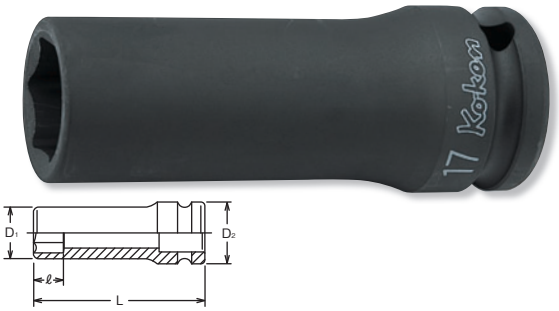
thin

| RS14301X/10 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| | **10, 12, 13, 14, 17, 19, 21, 22, 24, 27** | 1,585 |

TORX® is a registered trademark of **Acument Intellectual Properties, LLC.**
TORX® es una marca registrada de **Acument Intellectual Properties, LLC.**
TORX plus® is a registered trademark of **Acument Intellectual Properties, LLC.**
TORX plus® es una marca registrada de **Acument Intellectual Properties, LLC.**

## 14300M · 14300A

6-point Deep Sockets
Vasos Hexagonales Largos







| 14300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 14.5 | 25 | 8 | 80 | 137 | 10 | *1 |
| **9** | 15.7 | 25 | 9 | 80 | 138 | 10 | *1 |
| **10** | 17 | 25 | 10 | 80 | 140 | 10 | *1 |
| **11** | 18.2 | 25 | 11 | 80 | 156 | 10 | *1 |
| **12** | 19.5 | 25 | 12 | 80 | 162 | 10 | *1 |
| **13** | 20.7 | 25 | 13 | 80 | 162 | 10 | *1 |
| **14** | 22 | 25 | 14 | 80 | 174 | 10 | *1 |
| **15** | 23.2 | 30 | 15 | 80 | 220 | 10 | *2 |
| **16** | 24.5 | 30 | 16 | 80 | 232 | 10 | *2 |
| **17** | 25.7 | 30 | 17 | 80 | 232 | 10 | *2 |
| **18** | 27 | 30 | 18 | 80 | 232 | 10 | *2 |
| **19** | 28.2 | 30 | 19 | 80 | 259 | 10 | *2 |
| **20** | 29.5 | 30 | 20 | 80 | 265 | 10 | *2 |
| **21** | 30.7 | 30 | 21 | 80 | 265 | 10 | *2 |
| **22** | 32 | 30 | 22 | 85 | 290 | 10 | *2 |
| **23** | 33.2 | 30 | 23 | 85 | 300 | 10 | *2 |
| **24** | 34.5 | 30 | 24 | 85 | 329 | 10 | *2 |
| **25** | 35.7 | 30 | 25 | 85 | 345 | 10 | *2 |
| **26** | 37 | 30 | 26 | 85 | 350 | 10 | *2 |
| **27** | 38.2 | 30 | 27 | 85 | 385 | 10 | *2 |
| **28** | 39.5 | 30 | 28 | 85 | 390 | 10 | *2 |
| **29** | 40.7 | 30 | 29 | 85 | 416 | 10 | *2 |
| **30** | 42 | 30 | 30 | 85 | 457 | 10 | *2 |
| **31** | 43.2 | 30 | 31 | 85 | 505 | 10 | *2 |
| **32** | 44.5 | 30 | 32 | 85 | 542 | 10 | *2 |
| **33** | 45.7 | 30 | 33 | 85 | 562 | 2 | *2 |
| **34** | 47 | 30 | 33 | 85 | 570 | 2 | *2 |
| **35** | 48.2 | 30 | 35 | 85 | 600 | 2 | *2 |
| **36** | 49.5 | 30 | 36 | 85 | 540 | 2 | *2 |
| **41** | 55.7 | 30 | 38 | 85 | 625 | 2 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

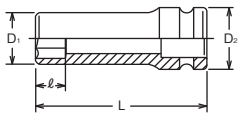
| 14300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **5/16** | 14.5 | 25 | 8 | 80 | 137 | 10 | *1 |
| **3/8** | 17 | 25 | 10 | 80 | 140 | 10 | *1 |
| **7/16** | 18.2 | 25 | 11 | 80 | 156 | 10 | *1 |
| **1/2** | 20.7 | 25 | 13 | 80 | 162 | 10 | *1 |
| **9/16** | 22 | 25 | 14 | 80 | 174 | 10 | *1 |
| **5/8** | 24.5 | 30 | 16 | 80 | 232 | 10 | *2 |
| **11/16** | 25.7 | 30 | 17 | 80 | 232 | 10 | *2 |
| **3/4** | 28.2 | 30 | 19 | 80 | 259 | 10 | *2 |
| **13/16** | 30.7 | 30 | 21 | 80 | 265 | 10 | *2 |
| **7/8** | 32 | 30 | 22 | 85 | 290 | 10 | *2 |
| **15/16** | 34.5 | 30 | 24 | 85 | 329 | 10 | *2 |
| **1** | 35.7 | 30 | 25 | 85 | 345 | 10 | *2 |
| **1. 1/16** | 38.2 | 30 | 27 | 85 | 385 | 10 | *2 |
| **1. 1/8** | 40.7 | 30 | 29 | 85 | 416 | 10 | *2 |
| **1. 3/16** | 42 | 30 | 30 | 85 | 457 | 10 | *2 |
| **1. 1/4** | 44.5 | 30 | 32 | 85 | 542 | 10 | *2 |
| **1. 7/16** | 50.7 | 30 | 37 | 85 | 570 | 2 | *2 |
| **1. 1/2** | 52 | 30 | 38 | 85 | 580 | 2 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14301M · 14301A

thin

6-point Deep Sockets, Thin-walled
Vasos Hexagonales Largos de Pared Delgada




| 14301M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **8** | 13 | 24 | 8 | 80 | 87 | 10 | *1 |
| **9** | 14.2 | 24 | 9 | 80 | 92 | 10 | *1 |
| **10** | 15.5 | 24 | 10 | 80 | 98 | 10 | *1 |
| **11** | 16.7 | 24 | 11 | 80 | 104 | 10 | *1 |
| **12** | 18 | 24 | 12 | 80 | 111 | 10 | *1 |
| **13** | 19.2 | 24 | 13 | 80 | 120 | 10 | *1 |
| **14** | 20.5 | 24 | 14 | 80 | 127 | 10 | *1 |
| **15** | 21.7 | 29 | 15 | 80 | 169 | 10 | *2 |
| **16** | 23 | 29 | 16 | 80 | 173 | 10 | *2 |
| **17** | 24.2 | 29 | 17 | 80 | 182 | 10 | *2 |
| **18** | 25.5 | 29 | 18 | 80 | 192 | 10 | *2 |
| **19** | 26.7 | 29 | 19 | 80 | 197 | 10 | *2 |
| **20** | 28 | 29 | 20 | 80 | 203 | 10 | *2 |
| **21** | 29.2 | 29 | 21 | 80 | 218 | 10 | *2 |
| **22** | 30.5 | 29 | 22 | 85 | 244 | 10 | *2 |
| **23** | 31.7 | 29 | 23 | 85 | 253 | 10 | *2 |
| **24** | 33 | 29 | 24 | 85 | 261 | 10 | *2 |
| **25** | 34.2 | 29 | 25 | 85 | 282 | 10 | *2 |
| **26** | 35.5 | 29 | 26 | 85 | 299 | 10 | *2 |
| **27** | 36.7 | 29 | 27 | 85 | 314 | 10 | *2 |
| **28** | 38 | 29 | 29 | 85 | 273 | 10 | *2 |
| **29** | 39.2 | 29 | 29 | 85 | 280 | 10 | *2 |
| **30** | 40.5 | 29 | 30 | 85 | 360 | 10 | *2 |
| **31** | 41.7 | 29 | 31 | 85 | 370 | 10 | *2 |
| **32** | 43 | 29 | 32 | 85 | 380 | 10 | *2 |
| **34** | 45.5 | 29 | 34 | 85 | 411 | 2 | *2 |
| **35** | 46.7 | 29 | 35 | 85 | 450 | 2 | *2 |
| **36** | 48 | 29 | 36 | 85 | 460 | 2 | *2 |

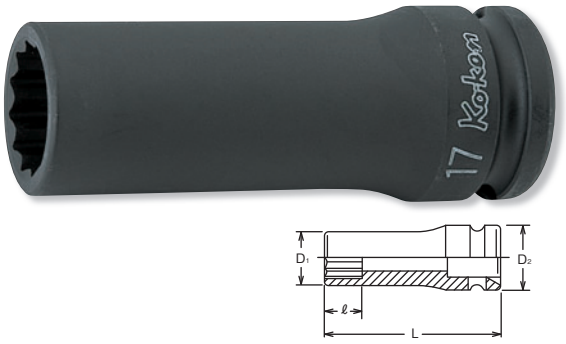
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

| 14301A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **3/8** | 15.5 | 24 | 10 | 80 | 98 | 10 | *1 |
| **7/16** | 16.7 | 24 | 11 | 80 | 104 | 10 | *1 |
| **1/2** | 19.2 | 24 | 13 | 80 | 120 | 10 | *1 |
| **9/16** | 20.5 | 24 | 14 | 80 | 127 | 10 | *1 |
| **5/8** | 23 | 29 | 16 | 80 | 173 | 10 | *2 |
| **11/16** | 24.2 | 29 | 17 | 80 | 182 | 10 | *2 |
| **3/4** | 26.7 | 29 | 19 | 80 | 197 | 10 | *2 |
| **13/16** | 29.2 | 29 | 21 | 80 | 218 | 10 | *2 |
| **7/8** | 30.5 | 29 | 22 | 85 | 244 | 10 | *2 |
| **15/16** | 33 | 29 | 24 | 85 | 261 | 10 | *2 |
| **1. 1/16** | 36.7 | 29 | 27 | 85 | 314 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14305M

12-point Deep Sockets
Vasos Bihexagonales Largos





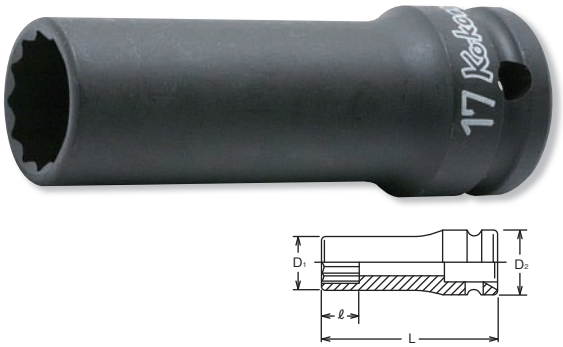


| 14305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 8 | 14.5 | 25 | 8 | 80 | 137 | 10 | *1 |
| 10 | 17 | 25 | 10 | 80 | 140 | 10 | *1 |
| 11 | 18.2 | 25 | 11 | 80 | 156 | 10 | *1 |
| 12 | 19.5 | 25 | 12 | 80 | 162 | 10 | *1 |
| 13 | 20.7 | 25 | 13 | 80 | 162 | 10 | *1 |
| 14 | 22 | 25 | 14 | 80 | 174 | 10 | *1 |
| 15 | 23.2 | 30 | 15 | 80 | 220 | 10 | *2 |
| 16 | 24.5 | 30 | 16 | 80 | 232 | 10 | *2 |
| 17 | 25.7 | 30 | 17 | 80 | 232 | 10 | *2 |
| 18 | 27 | 30 | 18 | 80 | 232 | 10 | *2 |
| 19 | 28.2 | 30 | 19 | 80 | 259 | 10 | *2 |
| 20 | 29.5 | 30 | 20 | 80 | 265 | 10 | *2 |
| 21 | 30.7 | 30 | 21 | 80 | 265 | 10 | *2 |
| 22 | 32 | 30 | 22 | 85 | 290 | 10 | *2 |
| 24 | 34.5 | 30 | 24 | 85 | 329 | 10 | *2 |
| 27 | 38.2 | 30 | 27 | 85 | 385 | 10 | *2 |
| 28 | 39.5 | 30 | 30 | 85 | 390 | 10 | *2 |
| 30 | 42 | 30 | 30 | 85 | 457 | 10 | *2 |
| 32 | 44.5 | 30 | 32 | 85 | 542 | 10 | *2 |
| 36 | 49.5 | 30 | 36 | 85 | 635 | 2 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14306M

12-point Deep Sockets, Thin-Walled
Vasos Bihexagonales Largos de Pared Delgada





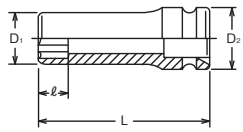


| 14306M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 10 | 15.5 | 24 | 10 | 80 | 98 | 10 | *1 |
| 12 | 18 | 24 | 12 | 80 | 111 | 10 | *1 |
| 13 | 19.2 | 24 | 13 | 80 | 120 | 10 | *1 |
| 14 | 20.5 | 24 | 14 | 80 | 127 | 10 | *1 |
| 15 | 21.7 | 29 | 15 | 80 | 169 | 10 | *2 |
| 16 | 23 | 29 | 16 | 80 | 173 | 10 | *2 |
| 17 | 24.2 | 29 | 17 | 80 | 182 | 10 | *2 |
| 18 | 25.5 | 29 | 18 | 80 | 192 | 10 | *2 |
| 19 | 26.7 | 29 | 19 | 80 | 197 | 10 | *2 |
| 21 | 29.2 | 29 | 21 | 80 | 218 | 10 | *2 |
| 22 | 30.5 | 29 | 22 | 85 | 244 | 10 | *2 |
| 24 | 33 | 29 | 24 | 85 | 261 | 10 | *2 |
| 27 | 36.7 | 29 | 27 | 85 | 314 | 10 | *2 |
| 30 | 40.5 | 29 | 30 | 85 | 360 | 10 | *2 |
| 32 | 43 | 29 | 32 | 85 | 380 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## 14310M

Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos




| 14310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 10 | 17 | 25 | 10 | 80 | 136 | 10 | *1 |
| 11 | 18.2 | 25 | 11 | 80 | 148 | 10 | *1 |
| 12 | 19.5 | 25 | 12 | 80 | 156 | 10 | *1 |
| 13 | 20.7 | 25 | 13 | 80 | 158 | 10 | *1 |
| 14 | 22 | 25 | 14 | 80 | 170 | 10 | *1 |
| 15 | 23.2 | 30 | 15 | 80 | 225 | 10 | *2 |
| 16 | 24.5 | 30 | 16 | 80 | 228 | 10 | *2 |
| 17 | 25.7 | 30 | 17 | 80 | 232 | 10 | *2 |
| 18 | 27 | 30 | 18 | 80 | 232 | 10 | *2 |
| 19 | 28.2 | 30 | 19 | 80 | 252 | 10 | *2 |
| 20 | 29.5 | 30 | 20 | 80 | 260 | 10 | *2 |
| 21 | 30.7 | 30 | 21 | 80 | 260 | 10 | *2 |
| 22 | 32 | 30 | 22 | 85 | 290 | 10 | *2 |
| 24 | 34.5 | 30 | 24 | 85 | 322 | 10 | *2 |
| 25 | 35.7 | 30 | 25 | 85 | 338 | 10 | *2 |
| 26 | 37 | 30 | 26 | 85 | 350 | 10 | *2 |
| 27 | 38.2 | 30 | 27 | 85 | 380 | 10 | *2 |
| 30 | 42 | 30 | 30 | 85 | 450 | 10 | *2 |
| 32 | 44.5 | 30 | 32 | 85 | 535 | 10 | *2 |
| 34 | 47 | 30 | 34 | 85 | 563 | 2 | *2 |
| 36 | 49.5 | 30 | 36 | 85 | 630 | 2 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

# SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

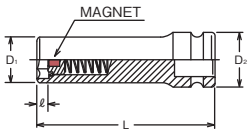
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

## 14300G

Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo

| 14300G (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm)t | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 17 | 25 | 4.5 | 80 | 139 | 10 | *1 |
| **12** | 19.5 | 25 | 6 | 80 | 165 | 10 | *1 |
| **13** | 20.7 | 25 | 6.5 | 80 | 185 | 10 | *1 |
| **14** | 22 | 25 | 7 | 80 | 189 | 10 | *1 |
| New **16** | 24.5 | 30 | 7.5 | 80 | 270 | 10 | *2 |
| **17** | 25.7 | 30 | 8 | 80 | 272 | 10 | *2 |
| New **18** | 27 | 30 | 8.5 | 80 | 290 | 10 | *2 |
| **19** | 28.2 | 30 | 9 | 80 | 308 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

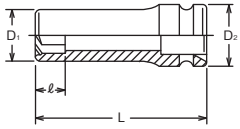



## 14365M

Pathfinder Sockets, deep
Vasos Pathfinder (Guía) Largos

| 14365M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 17 | 25 | 8 | 80 | 138 | 10 | *1 |
| **11** | 18.2 | 25 | 8 | 80 | 144 | 10 | *1 |
| **12** | 19.5 | 25 | 9 | 80 | 165 | 10 | *1 |
| **13** | 20.7 | 25 | 9 | 80 | 170 | 10 | *1 |
| **14** | 22 | 25 | 11 | 80 | 178 | 10 | *1 |
| **15** | 23.2 | 30 | 11 | 80 | 237 | 10 | *2 |
| **16** | 24.5 | 30 | 11 | 80 | 245 | 10 | *2 |
| **17** | 25.7 | 30 | 12 | 80 | 263 | 10 | *2 |
| **18** | 27 | 30 | 13 | 80 | 268 | 10 | *2 |
| **19** | 28.2 | 30 | 13 | 80 | 270 | 10 | *2 |
| **20** | 29.5 | 30 | 14 | 80 | 274 | 10 | *2 |
| **21** | 30.7 | 30 | 14 | 80 | 287 | 10 | *2 |
| **22** | 32 | 30 | 15 | 85 | 314 | 10 | *2 |
| **23** | 33.2 | 30 | 15 | 85 | 320 | 10 | *2 |
| **24** | 34.5 | 30 | 15 | 85 | 335 | 10 | *2 |
| **26** | 37 | 30 | 15 | 85 | 388 | 10 | *2 |
| **27** | 38.2 | 30 | 16 | 85 | 407 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

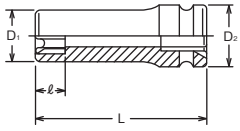



## 14325

TORX® Deep Sockets
Vasos TORX® Largos

| 14325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **E10** | 14.2 | 25 | 8.2 | 80 | 136 | 10 | *1 |
| **E12** | 15.2 | 25 | 9.3 | 80 | 141 | 10 | *1 |
| **E14** | 18.2 | 25 | 10.6 | 80 | 147 | 10 | *1 |
| **E16** | 19.2 | 25 | 11.8 | 80 | 151 | 10 | *1 |
| **E18** | 22.2 | 25 | 13 | 80 | 218 | 10 | *1 |
| **E20** | 24.2 | 30 | 14.4 | 80 | 225 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233



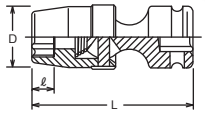

## 14440M · 14440A

Universal Sockets
Vasos con Articulación Universal

| 14440M (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **13** | 20.7 | 6 | 67.5 | 210 | 10 | *1 |
| **14** | 22 | 7 | 69.5 | 210 | 10 | *1 |
| **15** | 23.2 | 7 | 69.5 | 210 | 10 | *1 |
| **16** | 24.5 | 8 | 69.5 | 206 | 10 | *1 |
| **17** | 25.7 | 8 | 69.5 | 220 | 10 | *1 |
| **18** | 27 | 9 | 69.5 | 218 | 10 | *1 |
| **19** | 28.2 | 10 | 73.5 | 260 | 10 | *1 |
| **20** | 29.5 | 10 | 73.5 | 270 | 10 | *1 |
| **21** | 30.7 | 11 | 73.5 | 280 | 10 | *1 |
| **22** | 32 | 13 | 73.5 | 290 | 10 | *1 |
| **24** | 34.5 | 14 | 73.5 | 300 | 10 | *1 |

| 14440A (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **1/2** | 20.7 | 6 | 67.5 | 210 | 10 | *1 |
| **9/16** | 22 | 7 | 69.5 | 210 | 10 | *1 |
| **5/8** | 24.5 | 8 | 69.5 | 206 | 10 | *1 |
| **11/16** | 25.7 | 8 | 69.5 | 220 | 10 | *1 |
| **3/4** | 28.2 | 10 | 73.5 | 260 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233



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## 14012M-60

Inhex Sockets
Vasos Inhex

| 14012M.60 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **4** | 25 | 15.5 | 60 | 68 | 10 | *1 |
| **5** | 25 | 15.5 | 60 | 71 | 10 | *1 |
| **6** | 25 | 15.5 | 60 | 74 | 10 | *1 |
| **7** | 25 | 15.5 | 60 | 80 | 10 | *1 |
| **8** | 25 | 15.5 | 60 | 84 | 10 | *1 |
| **10** | 30 | 15.5 | 60 | 140 | 10 | *2 |
| **12** | 30 | 15.5 | 60 | 150 | 10 | *2 |
| **14** | 30 | 15.5 | 60 | 170 | 10 | *2 |
| **17** | 30 | 15.5 | 60 | 190 | 10 | *2 |
| **19** | 30 | 15.5 | 60 | 210 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

## RS14012M/10-L60

Socket Set on Rail
Juego de Vasos en Regleta

| RS14012M/10-L60 | 10 Pieces Set/Rail 300mm | (g) |
|---|---|---|
| **4, 5, 6, 7, 8, 10, 12, 14, 17, 19** | | 1,300 |

## 14025-60

TORX® Bit Sockets
Vasos con Punta TORX®

| 14025.60 (mm) | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| New **T20** | 25 | 60 | 75 | 10 | *1 |
| New **T25** | 25 | 60 | 75 | 10 | *1 |
| New **T27** | 25 | 60 | 75 | 10 | *1 |
| **T30** | 25 | 60 | 80 | 10 | *1 |
| **T40** | 25 | 60 | 85 | 10 | *1 |
| **T45** | 25 | 60 | 85 | 10 | *1 |
| **T50** | 25 | 60 | 95 | 10 | *1 |
| **T55** | 25 | 60 | 110 | 10 | *1 |
| **T60** | 30 | 60 | 160 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

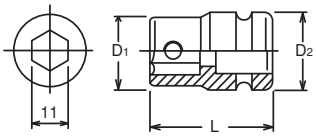
## RS14025/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

| RS14025/6-L60 | 6 Pieces Set/Rail 200mm | (g) |
|---|---|---|
| **T30, T40, T45, T50, T55,T60** | | 650 |

## 14105

Bit Holder
Porta Punta



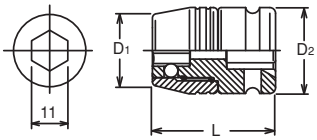

| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14105** | 22 | 30 | 38 | 126 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

Replacement Screw : M5x6, ⬢2.5mm

## 14105L

Bit Holder
Porta Punta




| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14105L** | 22 | 30 | 43 | 160 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

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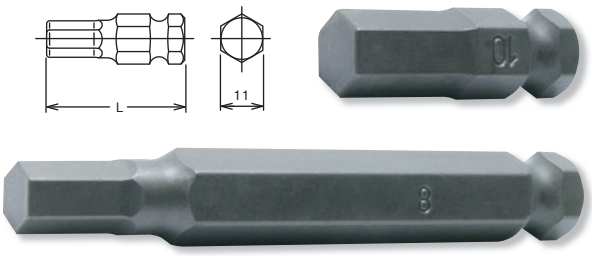
## 107-11

Bits for Inhex Screws
Puntas para Tornillos Inhex



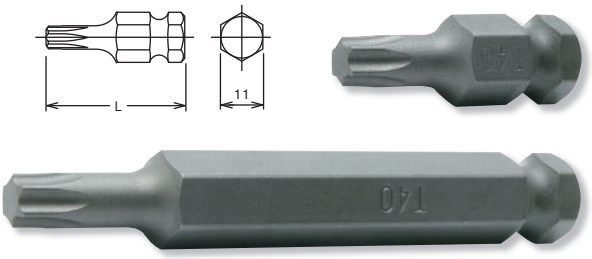

| 107.11 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3** | 35 | 15 | 10 |
| **4** | 35 | 16 | 10 |
| **5** | 35 | 16 | 10 |
| **6** | 35 | 18 | 10 |
| **7** | 35 | 19 | 10 |
| **8** | 35 | 20 | 10 |
| **10** | 35 | 26 | 10 |
| **11** | 35 | 28 | 10 |
| **12** | 35 | 31 | 10 |
| **14** | 35 | 38 | 10 |
| **16** | 35 | 47 | 10 |
| **17** | 35 | 50 | 10 |
| **18** | 35 | 53 | 10 |
| **19** | 35 | 56 | 10 |

| 107.11(L80) (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **4** | 80 | 54 | 10 |
| **5** | 80 | 54 | 10 |
| **6** | 80 | 56 | 10 |
| **7** | 80 | 57 | 10 |
| **8** | 80 | 59 | 10 |
| **10** | 80 | 64 | 10 |
| **11** | 80 | 66 | 10 |
| **12** | 80 | 76 | 10 |
| **14** | 80 | 98 | 10 |

| 107.11 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3/16** | 35 | 15 | 10 |
| **7/32** | 35 | 16 | 10 |
| **1/4** | 35 | 18 | 10 |
| **5/16** | 35 | 20 | 10 |
| **3/8** | 35 | 26 | 10 |
| **7/16** | 35 | 28 | 10 |
| **1/2** | 35 | 38 | 10 |
| **5/8** | 35 | 47 | 10 |
| **3/4** | 35 | 56 | 10 |

## 107-11 (T)

TORX® Bits
Puntas TORX®

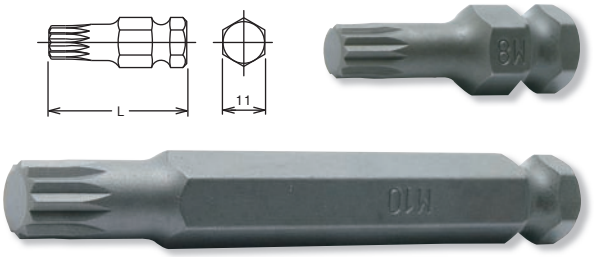



| 107.11 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T25** | 35 | 18 | 10 |
| **T30** | 35 | 18 | 10 |
| **T40** | 35 | 20 | 10 |
| **T45** | 35 | 22 | 10 |
| **T50** | 35 | 26 | 10 |
| **T55** | 35 | 31 | 10 |
| **T60** | 35 | 38 | 10 |

| 107.11(L80) (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T30** | 80 | 54 | 10 |
| **T40** | 80 | 54 | 10 |
| **T45** | 80 | 56 | 10 |
| **T50** | 80 | 57 | 10 |
| **T55** | 80 | 66 | 10 |
| **T60** | 80 | 76 | 10 |

## 107-11 (XZN)

XZN Bits
Puntas XZN




| 107.11 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 35 | 18 | 10 |
| **M 5** | 35 | 20 | 10 |
| **M 6** | 35 | 22 | 10 |
| **M 8** | 35 | 26 | 10 |
| **M10** | 35 | 31 | 10 |
| **M12** | 35 | 38 | 10 |

| 107.11(L80) (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 80 | 54 | 10 |
| **M 5** | 80 | 54 | 10 |
| **M 6** | 80 | 56 | 10 |
| **M 8** | 80 | 57 | 10 |
| **M10** | 80 | 66 | 10 |
| **M12** | 80 | 76 | 10 |
| **M14** | 80 | 80 | 10 |



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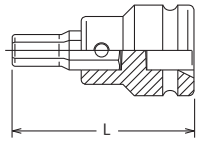
## 14105-11

Hex bit sockets
Vasos con Punta Hexagonal



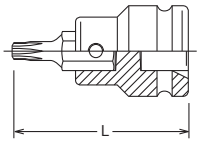

| 14105.11 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **3** | 60 | 141 | 10 | *1 |
| **4** | 60 | 142 | 10 | *1 |
| **5** | 60 | 142 | 10 | *1 |
| **6** | 60 | 144 | 10 | *1 |
| **7** | 60 | 145 | 10 | *1 |
| **8** | 60 | 146 | 10 | *1 |
| **10** | 60 | 152 | 10 | *1 |
| **11** | 60 | 154 | 10 | *1 |
| **12** | 60 | 157 | 10 | *1 |
| **14** | 60 | 164 | 10 | *1 |
| **16** | 60 | 173 | 10 | *1 |
| **17** | 60 | 176 | 10 | *1 |
| **18** | 60 | 179 | 10 | *1 |
| **19** | 60 | 182 | 10 | *1 |

| 14105.11 (inch) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **1/4** | 60 | 144 | 10 | *1 |
| **5/16** | 60 | 146 | 10 | *1 |
| **3/8** | 60 | 152 | 10 | *1 |
| **1/2** | 60 | 164 | 10 | *1 |
| **3/4** | 60 | 182 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14105-11 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

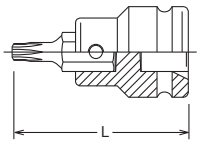



| 14105.11 (T) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **T25** | 60 | 144 | 10 | *1 |
| **T30** | 60 | 144 | 10 | *1 |
| **T40** | 60 | 146 | 10 | *1 |
| **T45** | 60 | 152 | 10 | *1 |
| **T50** | 60 | 157 | 10 | *1 |
| **T55** | 60 | 160 | 10 | *1 |
| **T60** | 60 | 164 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14105-11 (XZN)

XZN Bit Sockets
Vasos con Punta XZN

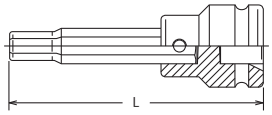



| 14105.11 (XZN) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **M 4** | 60 | 144 | 10 | *1 |
| **M 5** | 60 | 146 | 10 | *1 |
| **M 6** | 60 | 152 | 10 | *1 |
| **M 8** | 60 | 157 | 10 | *1 |
| **M10** | 60 | 160 | 10 | *1 |
| **M12** | 60 | 164 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14105-L105

Hex Bit Sockets
Vasos con Punta Hexagonal

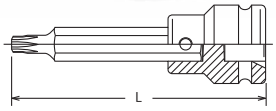



| 14105(L105) (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **4** | 105 | 180 | 10 | *1 |
| **5** | 105 | 180 | 10 | *1 |
| **6** | 105 | 185 | 10 | *1 |
| **7** | 105 | 185 | 10 | *1 |
| **8** | 105 | 185 | 10 | *1 |
| **10** | 105 | 190 | 10 | *1 |
| **11** | 105 | 190 | 10 | *1 |
| **12** | 105 | 200 | 10 | *1 |
| **14** | 105 | 230 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14105-L105 (T)

TORX® Bit Sockets
Vasos con Punta TORX®




| 14105(L105) (T) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **T30** | 105 | 180 | 10 | *1 |
| **T40** | 105 | 180 | 10 | *1 |
| **T45** | 105 | 185 | 10 | *1 |
| **T50** | 105 | 185 | 10 | *1 |
| **T55** | 105 | 195 | 10 | *1 |
| **T60** | 105 | 205 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

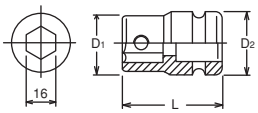
## 14106

Bit Holder for 107-16
Porta Punta

| | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14106** | 28 | 30 | 43 | 160 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

Replacement Screw : M6x8, ⬢3mm

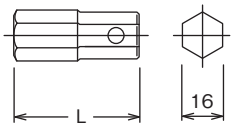


## 107-16

Bits for Inhex screws
Puntas para Tornillos Inhex

| 107.16 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **10** | 40 | 46 | 10 |
| **12** | 40 | 52 | 10 |
| **13** | 40 | 56 | 10 |
| **14** | 40 | 60 | 10 |
| **16** | 40 | 69 | 10 |
| **17** | 40 | 73 | 10 |
| **18** | 40 | 78 | 10 |
| **19** | 40 | 80 | 10 |
| **22** | 40 | 97 | 10 |

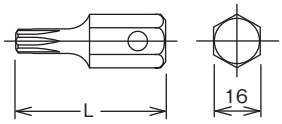
| 107.16 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **1/2** | 40 | 56 | 10 |
| **9/16** | 40 | 60 | 10 |
| **5/8** | 40 | 69 | 10 |
| **3/4** | 40 | 80 | 10 |



## 107-16 (T)

TORX® Bits
Puntas TORX®

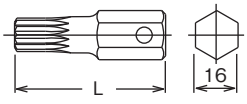
| 107.16 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T55** | 50 | 57 | 10 |
| **T60** | 50 | 64 | 10 |
| **T70** | 50 | 73 | 10 |



## 107-16 (XZN)

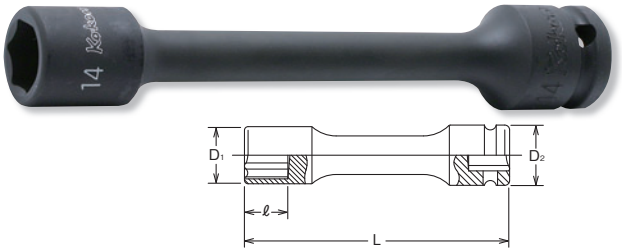
XZN Bits
Puntas XZN

| 107.16 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M14** | 60 | 83 | 10 |
| **M16** | 60 | 93 | 10 |
| **M18** | 60 | 103 | 10 |



## 14145M-150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos




| 14145M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 17 | 25 | 10 | 200 | 234 | 1 | *1 |
| 12 | 19.5 | 25 | 12 | 200 | 248 | 1 | *1 |
| 13 | 20.7 | 25 | 13 | 200 | 260 | 1 | *1 |
| 14 | 22 | 25 | 14 | 200 | 272 | 1 | *1 |
| 15 | 23.2 | 25 | 15 | 200 | 284 | 1 | *1 |
| 16 | 24.5 | 25 | 16 | 200 | 290 | 1 | *1 |
| 17 | 25.7 | 25 | 17 | 200 | 297 | 1 | *1 |
| 18 | 27 | 25 | 18 | 200 | 305 | 1 | *1 |
| 19 | 28.2 | 25 | 19 | 200 | 311 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

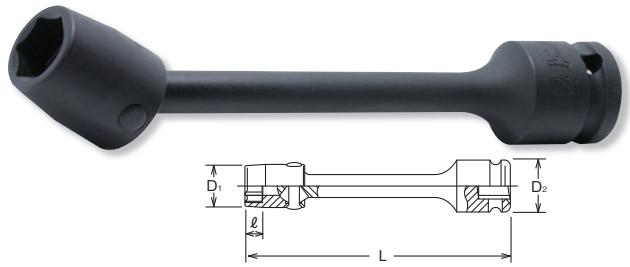
| 14145M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 17 | 25 | 10 | 150 | 190 | 1 | *1 |
| 12 | 19.5 | 25 | 12 | 150 | 204 | 1 | *1 |
| 13 | 20.7 | 25 | 13 | 150 | 216 | 1 | *1 |
| 14 | 22 | 25 | 14 | 150 | 228 | 1 | *1 |
| 15 | 23.2 | 25 | 15 | 150 | 240 | 1 | *1 |
| 16 | 24.5 | 25 | 16 | 150 | 245 | 1 | *1 |
| 17 | 25.7 | 25 | 17 | 150 | 253 | 1 | *1 |
| 18 | 27 | 25 | 18 | 150 | 260 | 1 | *1 |
| 19 | 28.2 | 25 | 19 | 150 | 267 | 1 | *1 |

| 14145M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 17 | 25 | 10 | 250 | 278 | 1 | *1 |
| 12 | 19.5 | 25 | 12 | 250 | 292 | 1 | *1 |
| 13 | 20.7 | 25 | 13 | 250 | 304 | 1 | *1 |
| 14 | 22 | 25 | 14 | 250 | 316 | 1 | *1 |
| 15 | 23.2 | 25 | 15 | 250 | 328 | 1 | *1 |
| 16 | 24.5 | 25 | 16 | 250 | 335 | 1 | *1 |
| 17 | 25.7 | 25 | 17 | 250 | 341 | 1 | *1 |
| 18 | 27 | 25 | 18 | 250 | 350 | 1 | *1 |
| 19 | 28.2 | 25 | 19 | 250 | 355 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos




| 14146M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 16 | 25 | 6.5 | 200 | 241 | 1 | *1 |
| 12 | 19.3 | 25 | 7.5 | 200 | 244 | 1 | *1 |
| 13 | 20 | 25 | 8 | 200 | 245 | 1 | *1 |
| 14 | 21 | 25 | 8.5 | 200 | 247 | 1 | *1 |
| 15 | 22 | 25 | 9 | 200 | 245 | 1 | *1 |
| 16 | 23 | 25 | 9.5 | 200 | 244 | 1 | *1 |
| 17 | 25 | 25 | 9.5 | 200 | 244 | 1 | *1 |
| 18 | 26 | 25 | 11 | 200 | 250 | 1 | *1 |
| 19 | 28 | 25 | 11.5 | 200 | 254 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

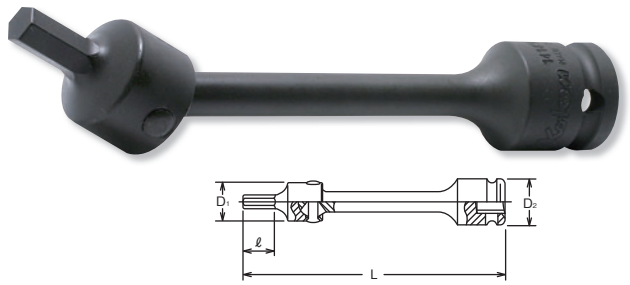
| 14146M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 16 | 25 | 6.5 | 150 | 197 | 1 | *1 |
| 12 | 19.3 | 25 | 7.5 | 150 | 200 | 1 | *1 |
| 13 | 20 | 25 | 8 | 150 | 201 | 1 | *1 |
| 14 | 21 | 25 | 8.5 | 150 | 203 | 1 | *1 |
| 15 | 22 | 25 | 9 | 150 | 201 | 1 | *1 |
| 16 | 23 | 25 | 9.5 | 150 | 200 | 1 | *1 |
| 17 | 25 | 25 | 9.5 | 150 | 200 | 1 | *1 |
| 18 | 26 | 25 | 11 | 150 | 210 | 1 | *1 |
| 19 | 28 | 25 | 11.5 | 150 | 210 | 1 | *1 |

| 14146M.250 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 10 | 16 | 25 | 6.5 | 250 | 285 | 1 | *1 |
| 12 | 19.3 | 25 | 7.5 | 250 | 288 | 1 | *1 |
| 13 | 20 | 25 | 8 | 250 | 289 | 1 | *1 |
| 14 | 21 | 25 | 8.5 | 250 | 291 | 1 | *1 |
| 15 | 22 | 25 | 9 | 250 | 289 | 1 | *1 |
| 16 | 23 | 25 | 9.5 | 250 | 288 | 1 | *1 |
| 17 | 25 | 25 | 9.5 | 250 | 288 | 1 | *1 |
| 18 | 26 | 25 | 11 | 250 | 290 | 1 | *1 |
| 19 | 28 | 25 | 11.5 | 250 | 299 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 14147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex con Articulación Universal Extra-Largos



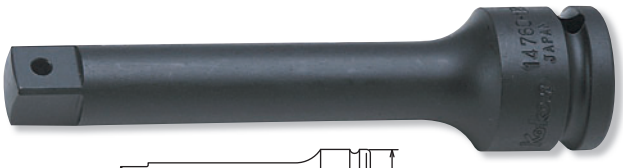

| 14147M.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 6 | 25 | 25 | 15 | 150 | 200 | 1 | *1 |
| 8 | 25 | 25 | 15 | 150 | 205 | 1 | *1 |
| 10 | 25 | 25 | 15 | 150 | 210 | 1 | *1 |
| 12 | 25 | 25 | 15 | 150 | 217 | 1 | *1 |

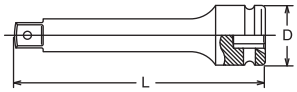
| 14147M.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| 6 | 25 | 25 | 15 | 200 | 244 | 1 | *1 |
| 8 | 25 | 25 | 15 | 200 | 249 | 1 | *1 |
| 10 | 25 | 25 | 15 | 200 | 254 | 1 | *1 |
| 12 | 25 | 25 | 15 | 200 | 261 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 14760-50 · -75 · -100 · -125 · -150 · -175 · -200 · -250

Extension Bars
Alargaderas





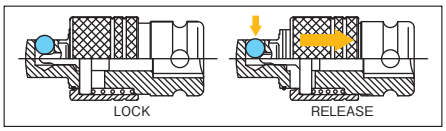

| 14760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **50** | 30 | 50 | 150 | 1 | *1 |
| **75** | 30 | 75 | 188 | 1 | *1 |
| **100** | 30 | 100 | 240 | 1 | *1 |
| **125** | 30 | 125 | 275 | 1 | *1 |
| **150** | 30 | 150 | 300 | 1 | *1 |
| **175** | 30 | 175 | 358 | 1 | *1 |
| **200** | 30 | 200 | 405 | 1 | *1 |
| **250** | 30 | 250 | 480 | 1 | *1 |

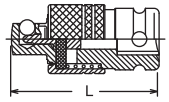
*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

## 14444AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

**Lock & Quick Release**



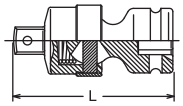



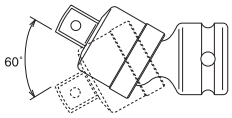
| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **14444AL** | 55 | 128 | 5 | *1 |

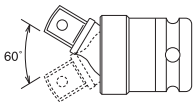
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 14770

Universal Joint
Articulación Universal





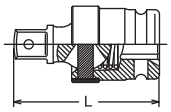



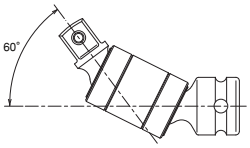

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **14770** | 74 | 210 | 5 | *1 |
| **14770-B** | 74 | 210 | 5 | *1 |
| **14770-P** | 74 | 210 | 5 | *1 |
| **14771** | 65 | 198 | 5 | *1 |
| **14771-B** | 65 | 198 | 5 | *1 |
| **14771-P** | 65 | 198 | 5 | *1 |

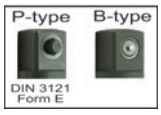
*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

## 14771

Universal Joint
Articulación Universal

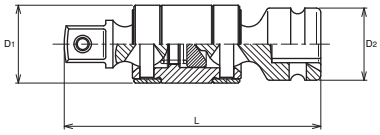





## 14772-P

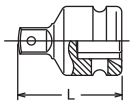
Universal Double Joint
Articulación Universal




| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **14772-P** | 27 | 25 | 90 | 230 | 5 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

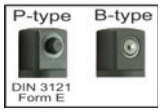
## 14433A
Adaptor
Adaptador



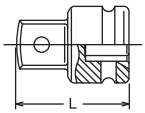

| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14433A** | 1/2" | 3/8" | 36 | 68 | 10 | *1 |
| **14433A-B** | 1/2" | 3/8" | 36 | 68 | 10 | *1 |
| **14433A-P** | 1/2" | 3/8" | 36 | 68 | 10 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B →P232-233

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.



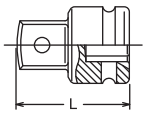

## 14455A
Adaptor
Adaptador




| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14455A** | 1/2" | 5/8" | 42 | 135 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B →P232-233

## 14466A
Adaptor
Adaptador




| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **14466A** | 1/2" | 3/4" | 44 | 146 | 10 | *1 |
| **14466A-B** | 1/2" | 3/4" | 44 | 146 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B →P232-233

## 14203M
Set
Juego

**14203M** — 10 Pieces Set/⚖=900g

METAL CASE: W215×H80×T47mm

| Bits | Bit Holder |
|---|---|
| **107.11** Hex Bits 5, 6, 8, 10 | **14105** Bit Holder |
| **107.16** Hex Bits 12, 14, 17, 19 | **14106** Bit Holder |

## 14204M
Set
Juego

**14204M** — 18 Pieces Set/⚖=1,370g

METAL CASE:W310×H90×T48mm

| Bits | Bit Holder |
|---|---|
| **107.11** Hex Bits 4, 5, 6, 7, 8, 10, 12, 14 | **14105** Bit Holder |
| **107.11(L80)** Hex Bits 4, 5, 6, 7, 8, 10, 12, 14 | **168H-2.5(40)** Screwdriver |

## 14204T
Set
Juego

**14204T** — 14 Pieces Set/⚖=1,180g

METAL CASE:W310×H90×T48mm

| Bits | Bit Holder |
|---|---|
| **107.11(T)** TORX® Bits T30, T40, T45, T50, T55, T60 | **14105** Bit Holder |
| **107.11(T)(L80)** TORX® Bits T30, T40, T45, T50, T55, T60 | **168H-2.5(40)** Screwdriver |

## 14204X
Set
Juego

**14204X** — 14 Pieces Set/⚖=1,180g

METAL CASE:W310×H90×T48mm

| Bits | Bit Holder |
|---|---|
| **107.11(XZN)** XZN Bits M4, M5, M6, M8, M10, M12 | **14105** Bit Holder |
| **107.11(L80)** XZN Bits M4, M5, M6, M8, M10, M12 | **168H-2.5(40)** Screwdriver |



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TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 14207M

Socket Set
Juego de Vasos

**14207M** 10 Pieces Set/=2,700g
METAL CASE:W310×H90×T48mm

| Sockets |
|---|
| **14300M** 6-pt Deep Sockets<br>10, 12, 13, 14, 17, 19, 21, 22, 24, 27 |

## 14208M

Socket Set
Juego de Vasos

**14208M** 13 Pieces Set/=3,500g
METAL CASE:W395×H90×T50mm

| Sockets |
|---|
| **14300M** 6-pt Deep Sockets<br>10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27 |

## 14241M
## 14241M-05

Socket Set
Juego de Vasos

**14241M** 13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm

| Sockets |
|---|
| **14400M** 6-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27 |

**14241M-05** 13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm

| Sockets |
|---|
| **14405M** 12-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27 |

## 14242M

Socket Set
Juego de Vasos

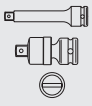
**14242M** 12 Pieces Set/=1,890g
METAL CASE:W310×H90×T48mm

| Sockets |
|---|
| **14400M** 6-pt. Sockets<br>10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27 |

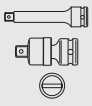
## 14245M-00
## 14245M-05

Socket Set
Juego de Vasos

New **14245M-00** 18 Pieces Set/=2,250g
METAL CASE:W310×H90×T45mm

| Sockets | Accessories |
|---|---|
| **14400M** 6-pt.Sockets<br>10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27 |  **14760-125**<br>**14770**<br>**1401A, 1402A**<br>**1401B, 1402B** |

**14245M-05** 18 Pieces Set/=2,250g
METAL CASE:W310×H90×T48mm

| Sockets | Accessories |
|---|---|
| **14405M** 12-pt. Sockets<br>10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27 |  **14760-125**<br>**14770**<br>**1401A, 1402A**<br>**1401B, 1402B** |

## S14240M

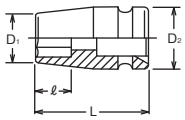
Display Stand
Expositor

**S14240M** 14400M 98 Pieces Set/=13,690g
DISPLAY STAND:W510×H150×T230mm

| | | |
|---|---|---|
| 10mm:8pcs | 15mm:7pcs | 22mm:6pcs |
| 11mm:8pcs | 16mm:7pcs | 23mm:6pcs |
| 12mm:8pcs | 17mm:7pcs | 24mm:6pcs |
| 13mm:8pcs | 19mm:7pcs | 27mm:5pcs |
| 14mm:8pcs | 21mm:7pcs | |

## 15400M

6-point Sockets
Vasos Hexagonales

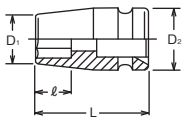



| 15400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **14** | 24 | 35 | 10 | 47.5 | 220 | 10 | *1 |
| **17** | 27.8 | 35 | 12 | 47.5 | 225 | 10 | *1 |
| **19** | 30.3 | 35 | 13 | 47.5 | 225 | 10 | *1 |
| **21** | 32.8 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **22** | 34 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **23** | 35.4 | 35 | 16 | 47.5 | 225 | 10 | *1 |
| **24** | 36.5 | 35 | 16 | 50.5 | 245 | 10 | *1 |
| **26** | 39 | 35 | 16 | 50.5 | 260 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

## 15400A

6-point Sockets
Vasos Hexagonales

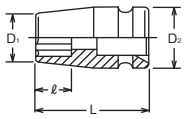



| 15400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **9/16** | 24 | 35 | 10 | 47.5 | 220 | 10 | *1 |
| **5/8** | 26.5 | 35 | 11 | 47.5 | 225 | 10 | *1 |
| **11/16** | 27.8 | 35 | 12 | 47.5 | 225 | 10 | *1 |
| **3/4** | 30.3 | 35 | 13 | 47.5 | 225 | 10 | *1 |
| **13/16** | 32.8 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **7/8** | 34 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **15/16** | 36.5 | 35 | 16 | 50.5 | 245 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

## 15410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo )




| 15410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **14** | 24 | 35 | 10 | 47.5 | 220 | 10 | *1 |
| **17** | 27.8 | 35 | 12 | 47.5 | 225 | 10 | *1 |
| **19** | 30.3 | 35 | 13 | 47.5 | 225 | 10 | *1 |
| **21** | 32.8 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **22** | 34 | 35 | 15 | 47.5 | 225 | 10 | *1 |
| **23** | 35.4 | 35 | 16 | 47.5 | 225 | 10 | *1 |
| **24** | 36.5 | 35 | 16 | 50.5 | 245 | 10 | *1 |
| **26** | 39 | 35 | 16 | 50.5 | 260 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

# SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

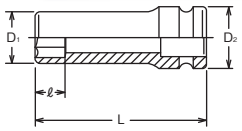
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

## 15300M

6-point Deep Sockets
Vasos Hexagonales Largos

| 15300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **14** | 24 | 35 | 14 | 90 | 295 | 10 | *1 |
| **17** | 27.8 | 35 | 17 | 90 | 325 | 10 | *1 |
| **19** | 30.3 | 35 | 19 | 90 | 350 | 10 | *1 |
| **21** | 32.8 | 35 | 21 | 90 | 380 | 10 | *1 |
| **22** | 34 | 35 | 22 | 90 | 390 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

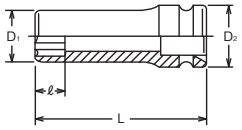



## 15310M

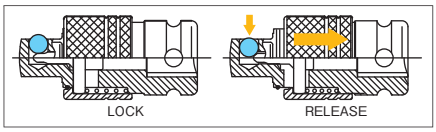
Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos

| 15310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **14** | 24 | 35 | 14 | 90 | 295 | 10 | *1 |
| **17** | 27.8 | 35 | 17 | 90 | 325 | 10 | *1 |
| **19** | 30.3 | 35 | 19 | 90 | 350 | 10 | *1 |
| **21** | 32.8 | 35 | 21 | 90 | 380 | 10 | *1 |
| **22** | 34 | 35 | 22 | 90 | 390 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233




**Lock & Quick Release**

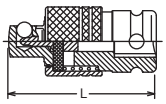



## 15555AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **15555AL** | 70 | 310 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

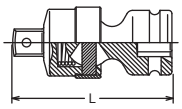


## 15770

Universal Joint
Articulación Universal

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **15770** | 88 | 420 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233



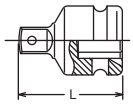
## 15544A

Adaptor
Adaptador

| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **15544A** | 5/8" | 1/2" | 46 | 165 | 10 | *1 |
| **15544A-P** | 5/8" | 1/2" | 46 | 165 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

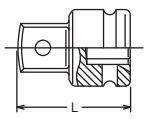


## 15566A

Adaptor
Adaptador

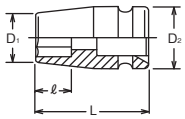
| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **15566A** | 5/8" | 3/4" | 48 | 200 | 10 | *1 |

*1 Pin/O-Ring=1500A/B ➡P233



## 16400M · 16400A

6-point Sockets
Vasos Hexagonales



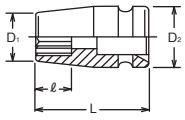

| 16400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 11/16 | 30 | 44 | 12 | 50 | 355 | 5 | *1 |
| 3/4 | 32.5 | 44 | 13 | 50 | 360 | 5 | *1 |
| 13/16 | 35 | 44 | 15 | 50 | 374 | 5 | *1 |
| 7/8 | 36.3 | 44 | 15 | 50 | 373 | 5 | *1 |
| 15/16 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 1 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 1. 1/16 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 1. 1/8 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 1. 3/16 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 1. 1/4 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 1. 5/16 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 1. 3/8 | 52.5 | 44 | 20 | 55 | 494 | 5 | *1 |
| 1. 7/16 | 55 | 44 | 20 | 55 | 526 | 2 | *1 |
| 1. 1/2 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 1. 9/16 | 58.8 | 44 | 20 | 57 | 598 | 2 | *1 |
| 1. 5/8 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 1.11/16 | 62.5 | 44 | 23 | 62 | 720 | 2 | *1 |
| 1. 3/4 | 65 | 44 | 23 | 62 | 757 | 2 | *1 |
| 1.13/16 | 66.3 | 44 | 23 | 62 | 755 | 2 | *1 |
| 1. 7/8 | 68.8 | 54 | 23 | 62 | 940 | 2 | *2 |
| 1.15/16 | 70 | 54 | 23 | 62 | 912 | 2 | *2 |
| 2 | 72.5 | 54 | 30 | 62 | 969 | 2 | *2 |
| 2. 1/16 | 73.8 | 54 | 29 | 62 | 1011 | 2 | *2 |
| 2. 1/8 | 76.3 | 54 | 29 | 62 | 1035 | 2 | *2 |
| 2. 3/16 | 77.5 | 54 | 29 | 62 | 1056 | 2 | *2 |
| 2. 1/4 | 80 | 54 | 32 | 65 | 1126 | 2 | *2 |
| 2. 5/16 | 81.3 | 54 | 31 | 65 | 1163 | 2 | *2 |
| 2. 3/8 | 83.8 | 54 | 31 | 65 | 1215 | 2 | *2 |

| 16400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 30 | 44 | 12 | 50 | 355 | 5 | *1 |
| 18 | 31.3 | 44 | 13 | 50 | 372 | 5 | *1 |
| 19 | 32.5 | 44 | 13 | 50 | 360 | 5 | *1 |
| 20 | 33.8 | 44 | 14 | 50 | 375 | 5 | *1 |
| 21 | 35 | 44 | 15 | 50 | 374 | 5 | *1 |
| 22 | 36.3 | 44 | 15 | 50 | 373 | 5 | *1 |
| 23 | 37.5 | 44 | 16 | 50 | 373 | 5 | *1 |
| 24 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 25 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 26 | 41.3 | 44 | 16 | 50 | 378 | 5 | *1 |
| 27 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 28 | 43.8 | 44 | 16 | 50 | 383 | 5 | *1 |
| 29 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 30 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 31 | 47.5 | 44 | 18 | 53 | 426 | 5 | *1 |
| 32 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 33 | 50 | 44 | 20 | 55 | 470 | 5 | *1 |
| 34 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 35 | 52.5 | 44 | 20 | 55 | 494 | 5 | *1 |
| 36 | 53.8 | 44 | 20 | 55 | 498 | 5 | *1 |
| 37 | 55 | 44 | 20 | 55 | 526 | 2 | *1 |
| 38 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 39 | 57.5 | 44 | 20 | 57 | 579 | 2 | *1 |
| 40 | 58.8 | 44 | 20 | 57 | 598 | 2 | *1 |
| 41 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 42 | 61.3 | 44 | 22 | 57 | 617 | 2 | *1 |
| 43 | 62.5 | 44 | 23 | 62 | 720 | 2 | *1 |
| 44 | 63.8 | 44 | 23 | 62 | 761 | 2 | *1 |
| 45 | 65 | 44 | 23 | 62 | 757 | 2 | *1 |
| 46 | 66.3 | 44 | 23 | 62 | 755 | 2 | *1 |
| 47 | 67.5 | 54 | 23 | 62 | 805 | 2 | *2 |
| 48 | 68.8 | 54 | 23 | 62 | 940 | 2 | *2 |
| 49 | 70 | 54 | 23 | 62 | 912 | 2 | *2 |
| 50 | 71.3 | 54 | 30 | 62 | 930 | 2 | *2 |
| 52 | 73.8 | 54 | 29 | 62 | 1011 | 2 | *2 |
| 54 | 76.3 | 54 | 29 | 62 | 1035 | 2 | *2 |
| 55 | 77.5 | 54 | 29 | 62 | 1056 | 2 | *2 |
| 56 | 78.8 | 54 | 29 | 62 | 1091 | 2 | *2 |
| 57 | 80 | 54 | 32 | 65 | 1126 | 2 | *2 |
| 58 | 81.3 | 54 | 31 | 65 | 1163 | 2 | *2 |
| 59 | 82.5 | 54 | 31 | 65 | 1185 | 2 | *2 |
| 60 | 83.8 | 54 | 31 | 65 | 1215 | 2 | *2 |
| New 65 | 90 | 54 | 30 | 65 | 1325 | 2 | *2 |
| New 70 | 96.3 | 54 | 34 | 70 | 1570 | 1 | *2 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
→P232-233

## 16405M · 16405A

12-point Sockets
Vasos Bihexagonales



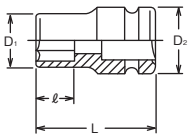

| 16405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 3/4 | 32.5 | 44 | 13 | 50 | 360 | 5 | *1 |
| 13/16 | 35 | 44 | 15 | 50 | 374 | 5 | *1 |
| 7/8 | 36.3 | 44 | 15 | 50 | 373 | 5 | *1 |
| 15/16 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 1 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 1. 1/16 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 1. 1/8 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 1. 3/16 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 1. 1/4 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 1. 5/16 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 1. 3/8 | 52.5 | 44 | 20 | 55 | 494 | 5 | *1 |
| 1. 7/16 | 55 | 44 | 20 | 55 | 526 | 2 | *1 |
| 1. 1/2 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 1. 5/8 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 1.11/16 | 62.5 | 44 | 23 | 62 | 720 | 2 | *1 |
| 1. 3/4 | 65 | 44 | 23 | 62 | 757 | 2 | *1 |
| 1. 7/8 | 68.8 | 54 | 23 | 62 | 940 | 2 | *2 |
| 2 | 72.5 | 54 | 30 | 62 | 969 | 2 | *2 |

| 16405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 30 | 44 | 12 | 50 | 355 | 5 | *1 |
| 18 | 31.3 | 44 | 13 | 50 | 372 | 5 | *1 |
| 19 | 32.5 | 44 | 13 | 50 | 360 | 5 | *1 |
| 20 | 33.8 | 44 | 14 | 50 | 375 | 5 | *1 |
| 21 | 35 | 44 | 15 | 50 | 374 | 5 | *1 |
| 22 | 36.3 | 44 | 15 | 50 | 373 | 5 | *1 |
| 23 | 37.5 | 44 | 16 | 50 | 373 | 5 | *1 |
| 24 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 25 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 26 | 41.3 | 44 | 16 | 50 | 378 | 5 | *1 |
| 27 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 28 | 43.8 | 44 | 16 | 50 | 383 | 5 | *1 |
| 29 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 30 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 32 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 33 | 50 | 44 | 20 | 55 | 470 | 5 | *1 |
| 34 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 36 | 53.8 | 44 | 20 | 55 | 498 | 5 | *1 |
| 38 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 41 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 42 | 61.3 | 44 | 22 | 57 | 617 | 2 | *1 |
| 46 | 66.3 | 44 | 23 | 62 | 755 | 2 | *1 |
| 50 | 71.3 | 54 | 30 | 62 | 930 | 2 | *2 |
| 52 | 73.8 | 54 | 29 | 62 | 1011 | 2 | *2 |
| 55 | 77.5 | 54 | 29 | 62 | 1056 | 2 | *2 |
| 60 | 83.8 | 54 | 31 | 65 | 1215 | 2 | *2 |
| New 65 | 90 | 54 | 30 | 65 | 1325 | 2 | *2 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
→P232-233

## thin 16401M · 16401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



| 16401M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 28 | 43 | 12 | 50 | 300 | 5 | *1 |
| 18 | 29.3 | 43 | 13 | 50 | 300 | 5 | *1 |
| 19 | 30.5 | 43 | 13 | 50 | 300 | 5 | *1 |
| 20 | 31.8 | 43 | 14 | 50 | 302 | 5 | *1 |
| 21 | 33 | 43 | 15 | 50 | 305 | 5 | *1 |
| 22 | 34.3 | 43 | 15 | 50 | 310 | 5 | *1 |
| 23 | 35.5 | 43 | 16 | 50 | 315 | 5 | *1 |
| 24 | 36.8 | 43 | 16 | 50 | 325 | 5 | *1 |
| 25 | 38 | 43 | 16 | 50 | 326 | 5 | *1 |
| 26 | 39.3 | 43 | 16 | 50 | 330 | 5 | *1 |
| 27 | 40.5 | 43 | 16 | 50 | 340 | 5 | *1 |
| 28 | 41.8 | 43 | 16 | 50 | 345 | 5 | *1 |
| 29 | 43 | 43 | 18 | 53 | 355 | 5 | *1 |
| 30 | 44.3 | 43 | 18 | 53 | 365 | 5 | *1 |
| 31 | 45.5 | 43 | 18 | 53 | 375 | 5 | *1 |
| 32 | 46.8 | 43 | 19 | 53 | 385 | 5 | *1 |
| 33 | 48 | 43 | 20 | 55 | 395 | 5 | *1 |
| 34 | 49.3 | 43 | 20 | 55 | 420 | 5 | *1 |
| 35 | 50.5 | 43 | 20 | 55 | 430 | 5 | *1 |
| 36 | 51.8 | 43 | 20 | 55 | 440 | 5 | *1 |
| 37 | 53 | 43 | 20 | 55 | 460 | 2 | *1 |
| 38 | 54.3 | 43 | 20 | 57 | 472 | 2 | *1 |
| 40 | 56.8 | 43 | 20 | 57 | 525 | 2 | *1 |
| 41 | 58 | 43 | 22 | 57 | 555 | 2 | *1 |
| 42 | 59.3 | 43 | 22 | 57 | 565 | 2 | *1 |
| 44 | 61.8 | 43 | 23 | 62 | 670 | 2 | *1 |
| 46 | 64.3 | 43 | 23 | 62 | 710 | 2 | *1 |

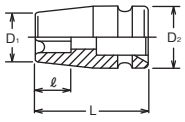
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 16401A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 11/16 | 28 | 43 | 12 | 50 | 300 | 5 | *1 |
| 3/4 | 30.5 | 43 | 13 | 50 | 300 | 5 | *1 |
| 13/16 | 33 | 43 | 15 | 50 | 305 | 5 | *1 |
| 7/8 | 34.3 | 43 | 15 | 50 | 310 | 5 | *1 |
| 15/16 | 36.8 | 43 | 16 | 50 | 325 | 5 | *1 |
| 1 | 38 | 43 | 16 | 50 | 326 | 5 | *1 |
| 1. 1/16 | 40.5 | 43 | 16 | 50 | 340 | 5 | *1 |
| 1. 1/8 | 43 | 43 | 18 | 53 | 355 | 5 | *1 |
| 1. 3/16 | 44.3 | 43 | 18 | 53 | 365 | 5 | *1 |
| 1. 1/4 | 46.8 | 43 | 19 | 53 | 385 | 5 | *1 |
| New 1. 5/16 | 49.3 | 30 | 20 | 55 | 437 | 5 | *1 |
| 1. 3/8 | 50.5 | 43 | 20 | 55 | 430 | 5 | *1 |
| 1. 7/16 | 53 | 43 | 20 | 55 | 460 | 2 | *1 |
| 1. 1/2 | 54.3 | 43 | 20 | 57 | 472 | 2 | *1 |
| 1. 9/16 | 56.8 | 43 | 20 | 57 | 525 | 2 | *1 |
| 1. 5/8 | 58 | 43 | 22 | 57 | 555 | 2 | *1 |
| 1.13/16 | 64.3 | 43 | 23 | 62 | 710 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

## 16425

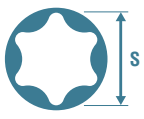
TORX® Sockets
Vasos TORX®



| 16425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| E18 | 26.3 | 44 | 13 | 50 | 355 | 5 | *1 |
| E20 | 28.8 | 44 | 14.4 | 50 | 370 | 5 | *1 |
| E22 | 31.3 | 44 | 15.5 | 50 | 390 | 5 | *1 |
| E24 | 32.5 | 44 | 17 | 50 | 390 | 5 | *1 |
| E26 | 35 | 44 | 18.8 | 60 | 460 | 2 | *1 |
| E28 | 36.3 | 44 | 25.2 | 60 | 465 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

TORX® (E)

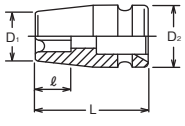



| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## 16425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®

TORXplus®



| 16425-EPL (EPL) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| New 24EPL | 32.5 | 44 | 12.2 | 55 | 427 | 5 | *1 |
| New 32EPL | 40 | 44 | 16.1 | 62 | 488 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

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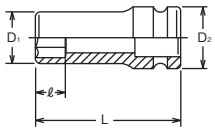
## 16301X

6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada

thin

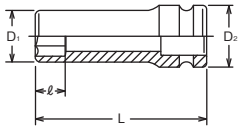



| 16301X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 28 | 43 | 17 | 75 | 370 | 2 | *1 |
| **18** | 29.3 | 43 | 18 | 75 | 380 | 2 | *1 |
| **19** | 30.5 | 43 | 19 | 75 | 393 | 2 | *1 |
| **20** | 31.8 | 43 | 20 | 75 | 400 | 2 | *1 |
| **21** | 33 | 43 | 21 | 75 | 408 | 2 | *1 |
| **22** | 34.3 | 43 | 22 | 75 | 418 | 2 | *1 |
| **23** | 35.5 | 43 | 23 | 75 | 425 | 2 | *1 |
| **24** | 36.8 | 43 | 24 | 75 | 435 | 2 | *1 |
| **25** | 38 | 43 | 25 | 75 | 449 | 2 | *1 |
| **26** | 39.3 | 43 | 26 | 75 | 455 | 2 | *1 |
| **27** | 40.5 | 43 | 27 | 75 | 464 | 2 | *1 |
| **28** | 41.8 | 43 | 28 | 75 | 479 | 2 | *1 |
| **29** | 43 | 43 | 29 | 75 | 489 | 2 | *1 |
| **30** | 44.3 | 43 | 30 | 75 | 506 | 2 | *1 |
| **31** | 45.5 | 43 | 31 | 75 | 518 | 2 | *1 |
| **32** | 46.8 | 43 | 32 | 75 | 535 | 2 | *1 |
| New **33** | 48 | 43 | 33 | 75 | 550 | 2 | *1 |
| **35** | 50.5 | 43 | 35 | 75 | 585 | 2 | *1 |
| **36** | 51.8 | 43 | 36 | 75 | 603 | 2 | *1 |
| **37** | 53 | 43 | 37 | 75 | 645 | 2 | *1 |
| **38** | 54.3 | 43 | 38 | 80 | 691 | 2 | *1 |
| **40** | 56.8 | 43 | 38 | 80 | 725 | 2 | *1 |
| **41** | 58 | 43 | 38 | 80 | 755 | 2 | *1 |
| **46** | 64.3 | 43 | 38 | 80 | 808 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

## 16300M · 16300A

6-point Sockets, deep
Vasos Hexagonales Largos




| 16300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 30 | 44 | 17 | 100 | 544 | 2 | *1 |
| **18** | 31.3 | 44 | 18 | 100 | 642 | 2 | *1 |
| **19** | 32.5 | 44 | 19 | 100 | 655 | 2 | *1 |
| **20** | 33.8 | 44 | 20 | 100 | 680 | 2 | *1 |
| **21** | 35 | 44 | 21 | 100 | 700 | 2 | *1 |
| **22** | 36.3 | 44 | 22 | 100 | 700 | 2 | *1 |
| **23** | 37.5 | 44 | 23 | 100 | 720 | 2 | *1 |
| **24** | 38.8 | 44 | 24 | 100 | 705 | 2 | *1 |
| **25** | 40 | 44 | 25 | 100 | 715 | 2 | *1 |
| **26** | 41.3 | 44 | 26 | 100 | 760 | 2 | *1 |
| **27** | 42.5 | 44 | 27 | 100 | 765 | 2 | *1 |
| **28** | 43.8 | 44 | 28 | 100 | 800 | 2 | *1 |
| **29** | 45 | 44 | 29 | 100 | 835 | 2 | *1 |
| **30** | 46.3 | 44 | 30 | 100 | 840 | 2 | *1 |
| **31** | 47.5 | 44 | 31 | 100 | 815 | 2 | *1 |
| **32** | 48.8 | 44 | 32 | 100 | 875 | 2 | *1 |
| **33** | 50 | 44 | 33 | 100 | 920 | 2 | *1 |
| **34** | 51.3 | 44 | 34 | 100 | 950 | 2 | *1 |
| **35** | 52.5 | 44 | 35 | 100 | 980 | 2 | *1 |
| **36** | 53.8 | 44 | 36 | 100 | 960 | 2 | *1 |
| **37** | 55 | 44 | 37 | 100 | 970 | 2 | *1 |
| **38** | 56.3 | 44 | 38 | 100 | 990 | 2 | *1 |
| **40** | 58.8 | 44 | 38 | 100 | 1060 | 2 | *1 |
| **41** | 60 | 44 | 38 | 100 | 1120 | 2 | *1 |
| **42** | 61.3 | 44 | 38 | 100 | 1153 | 2 | *1 |
| **43** | 62.5 | 44 | 38 | 100 | 1200 | 2 | *1 |
| **46** | 66.3 | 44 | 38 | 100 | 1305 | 2 | *1 |
| **50** | 71.3 | 54 | 61 | 100 | 1469 | 2 | *2 |
| **55** | 77.5 | 54 | 59 | 100 | 1620 | 2 | *2 |

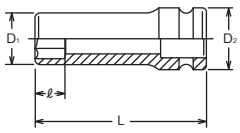
*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B ➡P232-233

| 16300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **3/4** | 32.5 | 44 | 19 | 100 | 655 | 2 | *1 |
| **13/16** | 35 | 44 | 21 | 100 | 700 | 2 | *1 |
| **7/8** | 36.3 | 44 | 22 | 100 | 700 | 2 | *1 |
| **15/16** | 38.8 | 44 | 24 | 100 | 705 | 2 | *1 |
| **1** | 40 | 44 | 25 | 100 | 715 | 2 | *1 |
| **1. 1/16** | 42.5 | 44 | 27 | 100 | 765 | 2 | *1 |
| **1. 1/8** | 45 | 44 | 29 | 100 | 835 | 2 | *1 |
| **1. 3/16** | 46.3 | 44 | 30 | 100 | 840 | 2 | *1 |
| **1. 1/4** | 48.8 | 44 | 32 | 100 | 875 | 2 | *1 |
| **1. 5/16** | 51.3 | 44 | 34 | 100 | 950 | 2 | *1 |
| **1. 3/8** | 52.5 | 44 | 35 | 100 | 980 | 2 | *1 |
| **1. 7/16** | 55 | 44 | 37 | 100 | 970 | 2 | *1 |
| **1. 1/2** | 56.3 | 44 | 38 | 100 | 990 | 2 | *1 |
| **1. 9/16** | 58.8 | 44 | 38 | 100 | 1060 | 2 | *1 |
| **1. 5/8** | 60 | 44 | 38 | 100 | 1120 | 2 | *1 |
| **1.11/16** | 62.5 | 44 | 38 | 100 | 1200 | 2 | *1 |
| **1. 3/4** | 65 | 44 | 38 | 100 | 1284 | 2 | *1 |
| **1.13/16** | 66.3 | 44 | 38 | 100 | 1305 | 2 | *1 |
| **1. 7/8** | 68.8 | 54 | 38 | 100 | 1561 | 2 | *2 |
| **2** | 72.5 | 54 | 60 | 100 | 1516 | 2 | *2 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B ➡P232-233

## 16301M · 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada




| 16301M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 28 | 43 | 17 | 100 | 470 | 2 | *1 |
| 18 | 29.3 | 43 | 18 | 100 | 475 | 2 | *1 |
| 19 | 30.5 | 43 | 19 | 100 | 480 | 2 | *1 |
| 20 | 31.8 | 43 | 20 | 100 | 491 | 2 | *1 |
| 21 | 33 | 43 | 21 | 100 | 505 | 2 | *1 |
| 22 | 34.3 | 43 | 22 | 100 | 528 | 2 | *1 |
| 23 | 35.5 | 43 | 23 | 100 | 542 | 2 | *1 |
| 24 | 36.8 | 43 | 24 | 100 | 560 | 2 | *1 |
| 25 | 38 | 43 | 25 | 100 | 581 | 2 | *1 |
| 26 | 39.3 | 43 | 26 | 100 | 600 | 2 | *1 |
| 27 | 40.5 | 43 | 27 | 100 | 610 | 2 | *1 |
| 28 | 41.8 | 43 | 28 | 100 | 639 | 2 | *1 |
| 29 | 43 | 43 | 29 | 100 | 650 | 2 | *1 |
| 30 | 44.3 | 43 | 30 | 100 | 670 | 2 | *1 |
| 31 | 45.5 | 43 | 31 | 100 | 690 | 2 | *1 |
| 32 | 46.8 | 43 | 32 | 100 | 715 | 2 | *1 |
| 33 | 48 | 43 | 33 | 100 | 730 | 2 | *1 |
| 34 | 49.3 | 43 | 34 | 100 | 750 | 2 | *1 |
| 35 | 50.5 | 43 | 35 | 100 | 785 | 2 | *1 |
| 36 | 51.8 | 43 | 36 | 100 | 830 | 2 | *1 |
| 37 | 53 | 43 | 37 | 100 | 850 | 2 | *1 |
| 38 | 54.3 | 43 | 38 | 100 | 885 | 2 | *1 |
| 40 | 56.8 | 43 | 38 | 100 | 925 | 2 | *1 |
| 41 | 58 | 43 | 38 | 100 | 970 | 2 | *1 |
| 42 | 59.3 | 43 | 38 | 100 | 990 | 2 | *1 |
| 46 | 64.3 | 43 | 38 | 100 | 1150 | 2 | *1 |

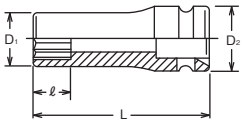
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 16301A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 11/16 | 28 | 43 | 17 | 100 | 470 | 2 | *1 |
| 3/4 | 30.5 | 43 | 19 | 100 | 480 | 2 | *1 |
| 13/16 | 33 | 43 | 21 | 100 | 505 | 2 | *1 |
| 7/8 | 34.3 | 43 | 22 | 100 | 528 | 2 | *1 |
| 15/16 | 36.8 | 43 | 24 | 100 | 560 | 2 | *1 |
| 1 | 38 | 43 | 25 | 100 | 581 | 2 | *1 |
| 1. 1/16 | 40.5 | 43 | 27 | 100 | 610 | 2 | *1 |
| 1. 1/8 | 43 | 43 | 29 | 100 | 650 | 2 | *1 |
| 1. 3/16 | 44.3 | 43 | 30 | 100 | 670 | 2 | *1 |
| 1. 1/4 | 46.8 | 43 | 32 | 100 | 715 | 2 | *1 |
| 1. 3/8 | 50.5 | 43 | 35 | 100 | 785 | 2 | *1 |
| 1. 7/16 | 53 | 43 | 37 | 100 | 850 | 2 | *1 |
| 1. 1/2 | 54.3 | 43 | 38 | 100 | 885 | 2 | *1 |
| 1. 9/16 | 56.8 | 43 | 38 | 100 | 925 | 2 | *1 |
| 1. 5/8 | 58 | 43 | 38 | 100 | 970 | 2 | *1 |
| 1.13/16 | 64.3 | 43 | 38 | 100 | 1150 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

## 16305M

12-point Sockets, deep
Vasos Bihexagonales Largos

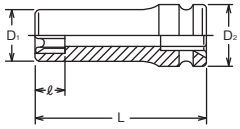



| 16305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 30 | 44 | 17 | 100 | 544 | 2 | *1 |
| 19 | 32.5 | 44 | 19 | 100 | 655 | 2 | *1 |
| 21 | 35 | 44 | 21 | 100 | 700 | 2 | *1 |
| 22 | 36.3 | 44 | 22 | 100 | 700 | 2 | *1 |
| 23 | 37.5 | 44 | 23 | 100 | 720 | 2 | *1 |
| 24 | 38.8 | 44 | 24 | 100 | 715 | 2 | *1 |
| 26 | 41.3 | 44 | 26 | 100 | 760 | 2 | *1 |
| 27 | 42.5 | 44 | 27 | 100 | 765 | 2 | *1 |
| 28 | 43.8 | 44 | 28 | 100 | 800 | 2 | *1 |
| 29 | 45 | 44 | 29 | 100 | 835 | 2 | *1 |
| 30 | 46.3 | 44 | 30 | 100 | 840 | 2 | *1 |
| 32 | 48.8 | 44 | 32 | 100 | 875 | 2 | *1 |
| 35 | 52.5 | 44 | 35 | 100 | 980 | 2 | *1 |
| 36 | 53.8 | 44 | 36 | 100 | 960 | 2 | *1 |
| 38 | 56.3 | 44 | 38 | 100 | 990 | 2 | *1 |
| 41 | 60 | 44 | 38 | 100 | 1120 | 2 | *1 |
| 46 | 66.3 | 44 | 38 | 100 | 1305 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

## 16325

TORX® Deep Sockets
Vasos TORX® Largos




| 16325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| E18 | 26.3 | 44 | 13.5 | 100 | 520 | 2 | *1 |
| E20 | 28.8 | 44 | 14.4 | 100 | 560 | 2 | *1 |
| E22 | 31.3 | 44 | 15.5 | 100 | 600 | 2 | *1 |
| E24 | 32.5 | 44 | 17.5 | 100 | 630 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233



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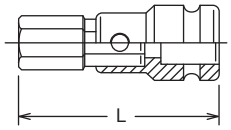
## 16106-16

Hex bit sockets
Vasos con Punta Hexagonal



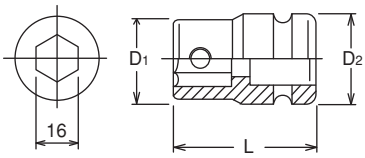

| 16106.16 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **10** | 76 | 416 | 1 | *1 |
| **12** | 76 | 422 | 1 | *1 |
| **13** | 76 | 426 | 1 | *1 |
| **14** | 76 | 430 | 1 | *1 |
| **16** | 76 | 439 | 1 | *1 |
| **17** | 76 | 443 | 1 | *1 |
| **18** | 76 | 448 | 1 | *1 |
| **19** | 76 | 450 | 1 | *1 |
| **22** | 76 | 473 | 1 | *1 |

| 16106.16 (inch) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **1/2** | 76 | 426 | 1 | *1 |
| **9/16** | 76 | 430 | 1 | *1 |
| **5/8** | 76 | 439 | 1 | *1 |
| **3/4** | 76 | 450 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

## 16106

Bit Holder, For 107-16
Porta Punta



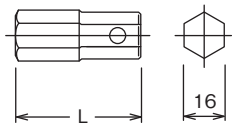

| | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **16106** | 32 | 44 | 52 | 370 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

Replacement Screw : M6x10, ⬢3mm

## 107-16

Bits for Inhex Screws
Puntas para Tornillos Inhex

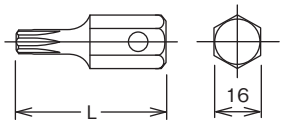



| 107.16 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **10** | 40 | 46 | 10 |
| **12** | 40 | 52 | 10 |
| **13** | 40 | 56 | 10 |
| **14** | 40 | 60 | 10 |
| **16** | 40 | 69 | 10 |
| **17** | 40 | 73 | 10 |
| **18** | 40 | 78 | 10 |
| **19** | 40 | 80 | 10 |
| **22** | 40 | 97 | 10 |

| 107.16 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **1/2** | 40 | 56 | 10 |
| **9/16** | 40 | 60 | 10 |
| **5/8** | 40 | 69 | 10 |
| **3/4** | 40 | 80 | 10 |

## 107-16 (T)

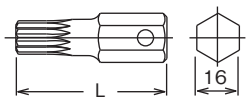
TORX® Bits
Puntas TORX®




| 107.16 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T55** | 50 | 57 | 10 |
| **T60** | 50 | 64 | 10 |
| **T70** | 50 | 73 | 10 |

## 107-16 (XZN)

XZN Bits
Puntas XZN




| 107.16 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M14** | 60 | 83 | 10 |
| **M16** | 60 | 93 | 10 |
| **M18** | 60 | 103 | 10 |



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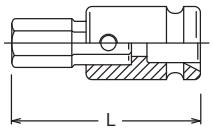
## 16107-22

Hex bit sockets
Vasos con Punta Hexagonal

| 16107.22 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **19** | 88 | 670 | 1 | *1 |
| **22** | 88 | 692 | 1 | *1 |
| **24** | 88 | 706 | 1 | *1 |
| **27** | 88 | 730 | 1 | *1 |
| **30** | 88 | 757 | 1 | *1 |
| **32** | 93 | 783 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

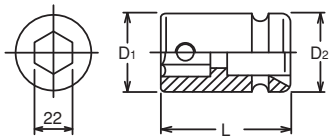



## 16107

Bit Holder
Porta Punta

| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **16107** | 44 | 44 | 60 | 530 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

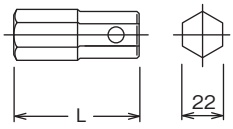


Replacement Screw : M8x14, ⬢4mm

## 107-22

Bits for Inhex Screws
Puntas para Tornillos Inhex

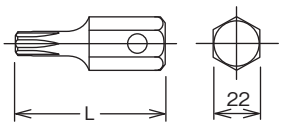
| 107.22 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **17** | 50 | 120 | 10 |
| **19** | 50 | 140 | 10 |
| **22** | 50 | 162 | 10 |
| **24** | 50 | 176 | 10 |
| **27** | 50 | 200 | 10 |
| **30** | 50 | 227 | 10 |
| **32** | 55 | 243 | 10 |



## 107-22 (T)

TORX® Bits
Puntas TORX®

| 107.22 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T 80** | 60 | 141 | 10 |
| **T 90** | 60 | 155 | 10 |
| **T100** | 60 | 170 | 10 |

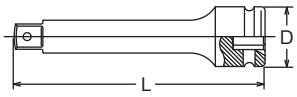


## 16760-150 · -175 · -200 · -250 · -330

Extension Bars
Alargaderas

| 16760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **150** | 44 | 150 | 775 | 1 | *1 |
| **175** | 44 | 175 | 870 | 1 | *1 |
| **200** | 44 | 200 | 955 | 1 | *1 |
| **250** | 44 | 250 | 1150 | 1 | *1 |
| **330** | 44 | 330 | 1460 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233



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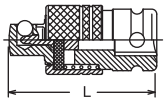
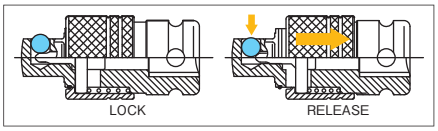
## 16666AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)




**Lock & Quick Release**

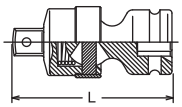


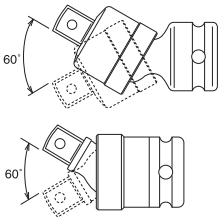

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **16666AL** | 75 | 660 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

## 16770

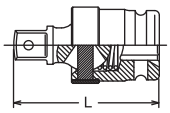
Universal Joint
Articulación Universal




## 16771

Universal Joint
Articulación Universal



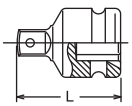

| | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **16770** | 106 | 790 | 1 | *1 |
| **16771** | 95 | 720 | 1 | *1 |

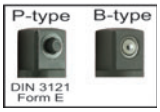
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

## 16644A · 16655A

Adaptors
Adaptadores

No Warranty
Sin Garantía




| | □ (sq.) | □ (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **16644A** | 3/4" | 1/2" | 52 | 310 | 1 | *1 |
| **16644A-B** | 3/4" | 1/2" | 52 | 310 | 1 | *1 |
| **16644A-P** | 3/4" | 1/2" | 52 | 310 | 1 | *1 |

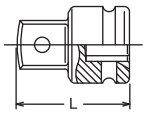
| | □ (sq.) | □ (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **16655A** | 3/4" | 5/8" | 53 | 336 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

⚠ Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

## 16688A

Adaptor
Adaptador




| | □ (sq.) | □ (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **16688A** | 3/4" | 1" | 62 | 435 | 1 | *1 |
| **16688A-250** | 3/4" | 1" | 250 | 1400 | 1 | *1 |
| **16688A-330** | 3/4" | 1" | 330 | 1880 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P232-233

## 16688A-250 · -330

Adaptors
Adaptadores

## 16201M · 16201A

Socket Sets
Juegos de Vasos

| 16201M | 13 Pieces Set/=6,800g |
|---|---|
| METAL CASE:W320×H110×T70mm | |
| Sockets | |
| **16400M** 6-pt. Sockets<br>19, 21, 22, 23, 24, 26, 27, 30, 32,<br>33, 36, 38, 41 | |

| 16201A | 11 Pieces Set/=6,000g |
|---|---|
| METAL CASE:W320×H110×T70mm | |
| Sockets | |
| **16400A** 6-pt. Sockets<br>3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4,<br>1.5/16, 1.3/8, 1.7/16, 1.1/2 | |

## 16201M-01 · 16201A-01

Sockets Sets
Juegos de Vasos

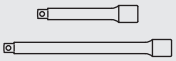
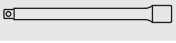
thin

| 16201M-01 | 13 Pieces Set/=6,000g |
|---|---|
| METAL CASE:W320×H110×T70mm | |
| Sockets | |
| **16401M** 6-pt. Sockets, Thin-walled<br>19, 21, 22, 23, 24, 26, 27, 30, 32,<br>33, 36, 38, 41 | |

| 16201A-01 | 11 Pieces Set/=5,400g |
|---|---|
| METAL CASE:W320×H110×T70mm | |
| Sockets | |
| **16401A** 6-pt. Sockets, Thin-walled<br>3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4,<br>1.5/16, 1.3/8, 1.7/16, 1.1/2 | |

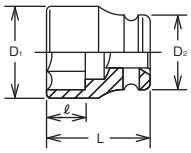
## 16245M

Socket Sets
Juegos de Vasos

| 16245M | 17 Pieces Set/=12,000g | |
|---|---|---|
| METAL CASE:W580×H200×T85mm | | |
| Sockets | Accessories | |
| **16400M** 6-pt. Sockets<br>19, 21, 22, 24, 27, 29, 30,<br>32, 33, 35, 36, 38, 41, 46,<br>50 |  | **16760-175** |
| |  | **16760-330** |

## 18400M · 18400A

6-point Sockets
Vasos Hexagonales




| 18400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 32.8 | 54 | 12 | 57 | 579 | 2 | *1 |
| New **18** | 34 | 54 | 13 | 57 | 590 | 2 | *1 |
| **19** | 35.3 | 54 | 13 | 57 | 590 | 2 | *1 |
| **21** | 37.8 | 54 | 15 | 57 | 605 | 2 | *1 |
| **22** | 39 | 54 | 15 | 57 | 620 | 2 | *1 |
| **23** | 40.3 | 54 | 16 | 57 | 615 | 2 | *1 |
| **24** | 41.5 | 54 | 16 | 57 | 627 | 2 | *1 |
| **25** | 42.8 | 54 | 16 | 57 | 620 | 2 | *1 |
| **26** | 44 | 54 | 16 | 57 | 640 | 2 | *1 |
| **27** | 45.3 | 54 | 16 | 57 | 627 | 2 | *1 |
| **28** | 46.5 | 54 | 16 | 57 | 640 | 2 | *1 |
| **29** | 47.8 | 54 | 18 | 57 | 657 | 2 | *1 |
| **30** | 49 | 54 | 21 | 62 | 657 | 2 | *1 |
| **31** | 50.3 | 54 | 21 | 62 | 687 | 2 | *1 |
| **32** | 51.5 | 54 | 21 | 62 | 685 | 2 | *1 |
| **33** | 52.8 | 54 | 21 | 62 | 685 | 2 | *1 |
| **34** | 54 | 54 | 21 | 62 | 690 | 2 | *1 |
| **35** | 55.3 | 54 | 21 | 62 | 710 | 2 | *1 |
| **36** | 56.5 | 54 | 21 | 62 | 712 | 2 | *1 |
| **37** | 57.8 | 54 | 21 | 62 | 735 | 2 | *1 |
| **38** | 59 | 54 | 25 | 66 | 720 | 2 | *1 |
| **40** | 61.5 | 54 | 25 | 66 | 850 | 2 | *1 |
| **41** | 62.8 | 54 | 25 | 66 | 850 | 2 | *1 |
| **42** | 64 | 54 | 25 | 66 | 905 | 2 | *1 |
| **43** | 65.3 | 54 | 27 | 68 | 977 | 2 | *1 |
| **44** | 66.5 | 54 | 27 | 68 | 970 | 2 | *1 |
| **45** | 67.8 | 54 | 27 | 68 | 963 | 2 | *1 |
| **46** | 69 | 54 | 29 | 70 | 1010 | 2 | *1 |
| **47** | 70.3 | 54 | 36 | 70 | 997 | 2 | *1 |
| **48** | 71.5 | 54 | 35 | 70 | 990 | 2 | *1 |
| **50** | 74 | 54 | 35 | 70 | 1065 | 2 | *1 |
| **52** | 76.5 | 54 | 40 | 75 | 1185 | 2 | *1 |
| **54** | 79 | 54 | 40 | 75 | 1252 | 2 | *1 |
| **55** | 80.3 | 54 | 39 | 75 | 1260 | 2 | *1 |
| **56** | 81.5 | 54 | 39 | 75 | 1277 | 2 | *1 |
| **58** | 84 | 54 | 39 | 75 | 1340 | 2 | *1 |
| **60** | 86.5 | 54 | 39 | 75 | 1400 | 2 | *1 |
| **62** | 89 | 54 | 38 | 75 | 1410 | 2 | *1 |
| **63** | 90.3 | 54 | 38 | 75 | 1383 | 2 | *1 |
| **65** | 92.8 | 54 | 38 | 75 | 1630 | 2 | *1 |
| **67** | 95.3 | 54 | 38 | 75 | 1580 | 2 | *1 |
| **68** | 96.5 | 54 | 37 | 75 | 1583 | 1 | *1 |
| **70** | 99 | 54 | 37 | 75 | 1625 | 1 | *1 |
| **75** | 105.3 | 86 | 37 | 80 | 2675 | 1 | *2 |
| **80** | 111.5 | 86 | 41 | 85 | 2996 | 1 | *2 |
| **85** | 117.8 | 86 | 37 | 90 | 3378 | 1 | *2 |
| **90** | 124 | 86 | 40 | 95 | 3871 | 1 | *2 |
| **95** | 130.3 | 86 | 43 | 100 | 4500 | 1 | *2 |

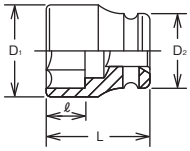
*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B
➡P232-233

| 18400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **11/16** | 32.8 | 54 | 12 | 57 | 579 | 2 | *1 |
| **3/4** | 35.3 | 54 | 13 | 57 | 590 | 2 | *1 |
| **13/16** | 37.8 | 54 | 15 | 57 | 605 | 2 | *1 |
| **7/8** | 39 | 54 | 15 | 57 | 620 | 2 | *1 |
| **15/16** | 41.5 | 54 | 16 | 57 | 627 | 2 | *1 |
| **1** | 42.8 | 54 | 16 | 57 | 620 | 2 | *1 |
| **1. 1/16** | 45.3 | 54 | 16 | 57 | 627 | 2 | *1 |
| **1. 1/8** | 47.8 | 54 | 18 | 57 | 657 | 2 | *1 |
| **1. 3/16** | 49 | 54 | 21 | 62 | 657 | 2 | *1 |
| **1. 1/4** | 51.5 | 54 | 21 | 62 | 685 | 2 | *1 |
| **1. 5/16** | 54 | 54 | 21 | 62 | 690 | 2 | *1 |
| **1. 3/8** | 55.3 | 54 | 21 | 62 | 710 | 2 | *1 |
| **1. 7/16** | 57.8 | 54 | 21 | 62 | 735 | 2 | *1 |
| **1. 1/2** | 59 | 54 | 25 | 66 | 720 | 2 | *1 |
| **1. 9/16** | 61.5 | 54 | 25 | 66 | 850 | 2 | *1 |
| **1. 5/8** | 62.8 | 54 | 25 | 66 | 850 | 2 | *1 |
| **1.11/16** | 65.3 | 54 | 27 | 68 | 977 | 2 | *1 |
| **1. 3/4** | 67.8 | 54 | 27 | 68 | 963 | 2 | *1 |
| **1.13/16** | 69 | 54 | 29 | 70 | 1010 | 2 | *1 |
| **1. 7/8** | 71.5 | 54 | 35 | 70 | 990 | 2 | *1 |
| **1.15/16** | 72.8 | 54 | 35 | 70 | 1000 | 2 | *1 |
| **2** | 75.3 | 54 | 35 | 70 | 1060 | 2 | *1 |
| **2. 1/16** | 76.5 | 54 | 40 | 75 | 1185 | 2 | *1 |
| **2. 1/8** | 79 | 54 | 40 | 75 | 1252 | 2 | *1 |
| **2. 3/16** | 80.3 | 54 | 39 | 75 | 1260 | 2 | *1 |
| **2. 1/4** | 82.8 | 54 | 39 | 75 | 1337 | 2 | *1 |
| **2. 5/16** | 84 | 54 | 39 | 75 | 1340 | 2 | *1 |
| **2. 3/8** | 86.5 | 54 | 39 | 75 | 1400 | 2 | *1 |
| **2. 7/16** | 89 | 54 | 38 | 75 | 1410 | 2 | *1 |
| **2. 1/2** | 91.5 | 54 | 38 | 75 | 1498 | 2 | *1 |
| **2. 9/16** | 92.8 | 54 | 38 | 75 | 1630 | 2 | *1 |
| **2. 5/8** | 95.3 | 54 | 38 | 75 | 1580 | 2 | *1 |
| **2.11/16** | 96.5 | 54 | 37 | 75 | 1583 | 1 | *1 |
| **2. 3/4** | 99 | 54 | 37 | 75 | 1625 | 1 | *1 |
| **2.13/16** | 101.5 | 86 | 37 | 80 | 2705 | 1 | *2 |
| **2. 7/8** | 102.8 | 86 | 38 | 80 | 2629 | 1 | *2 |
| **2.15/16** | 105.3 | 86 | 37 | 80 | 2675 | 1 | *2 |
| **3** | 106.5 | 86 | 37 | 80 | 2705 | 1 | *2 |
| **3. 1/16** | 109 | 86 | 42 | 85 | 2967 | 1 | *2 |
| **3. 1/8** | 111.5 | 86 | 41 | 85 | 2996 | 1 | *2 |
| **3. 1/4** | 115.3 | 86 | 44 | 90 | 3328 | 1 | *2 |
| **3. 3/8** | 119 | 86 | 36 | 90 | 3389 | 1 | *2 |
| **3. 1/2** | 124 | 86 | 40 | 95 | 3871 | 1 | *2 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B
➡P232-233

## 18401M · 18401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



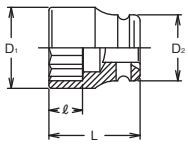

| 18401M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 29.8 | 53 | 12 | 57 | 481 | 2 | *1 |
| **19** | 32.3 | 53 | 13 | 57 | 492 | 2 | *1 |
| **21** | 34.8 | 53 | 15 | 57 | 512 | 2 | *1 |
| **22** | 36 | 53 | 15 | 57 | 520 | 2 | *1 |
| **24** | 38.5 | 53 | 16 | 57 | 520 | 2 | *1 |
| **27** | 42.3 | 53 | 16 | 57 | 540 | 2 | *1 |
| **30** | 46 | 53 | 21 | 62 | 572 | 2 | *1 |
| **32** | 48.5 | 53 | 21 | 62 | 600 | 2 | *1 |
| **33** | 49.8 | 53 | 21 | 62 | 613 | 2 | *1 |
| **35** | 52.3 | 53 | 21 | 62 | 630 | 2 | *1 |
| **36** | 53.5 | 53 | 21 | 62 | 635 | 2 | *1 |
| **38** | 56 | 53 | 25 | 66 | 705 | 2 | *1 |
| **41** | 59.8 | 53 | 25 | 66 | 740 | 2 | *1 |
| **46** | 66 | 53 | 29 | 70 | 900 | 2 | *1 |
| **50** | 71 | 53 | 35 | 70 | 940 | 2 | *1 |

| 18401A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **11/16** | 29.8 | 53 | 12 | 57 | 481 | 2 | *1 |
| **3/4** | 32.3 | 53 | 13 | 57 | 492 | 2 | *1 |
| **13/16** | 34.8 | 53 | 15 | 57 | 512 | 2 | *1 |
| **7/8** | 36 | 53 | 15 | 57 | 520 | 2 | *1 |
| **15/16** | 38.5 | 53 | 16 | 57 | 520 | 2 | *1 |
| **1 1/16** | 42.3 | 53 | 16 | 57 | 540 | 2 | *1 |
| **1 3/16** | 46 | 53 | 21 | 62 | 572 | 2 | *1 |
| **1 1/4** | 48.5 | 53 | 21 | 62 | 600 | 2 | *1 |
| **1 3/8** | 52.3 | 53 | 21 | 62 | 630 | 2 | *1 |
| **1 1/2** | 56 | 53 | 25 | 66 | 705 | 2 | *1 |
| **1 5/8** | 59.8 | 53 | 25 | 66 | 740 | 2 | *1 |
| **1.13/16** | 66 | 53 | 29 | 70 | 900 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18405M · 18405A

12-point Sockets
Vasos Bihexagonales




| 18405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **27** | 45.3 | 54 | 16 | 57 | 607 | 2 | *1 |
| **30** | 49.5 | 54 | 21 | 62 | 657 | 2 | *1 |
| **32** | 51.5 | 54 | 21 | 62 | 685 | 2 | *1 |
| **33** | 52.8 | 54 | 21 | 62 | 690 | 2 | *1 |
| **35** | 55.3 | 54 | 21 | 62 | 690 | 2 | *1 |
| **36** | 56.5 | 54 | 21 | 62 | 692 | 2 | *1 |
| **38** | 59 | 54 | 25 | 66 | 700 | 2 | *1 |
| **40** | 61.5 | 54 | 25 | 66 | 830 | 2 | *1 |
| **46** | 69 | 54 | 29 | 70 | 990 | 2 | *1 |
| **50** | 74 | 54 | 35 | 70 | 1021 | 2 | *1 |
| **55** | 80.3 | 54 | 39 | 75 | 1234 | 2 | *1 |
| **56** | 81.5 | 54 | 39 | 75 | 1250 | 2 | *1 |
| **60** | 86.5 | 54 | 39 | 75 | 1400 | 2 | *1 |
| **65** | 92.8 | 54 | 38 | 75 | 1600 | 2 | *1 |

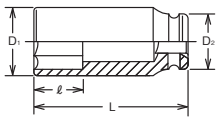
| 18405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **3/4** | 35.3 | 54 | 13 | 57 | 590 | 2 | *1 |
| **7/8** | 39 | 54 | 15 | 57 | 620 | 2 | *1 |
| **1** | 42.8 | 54 | 16 | 57 | 620 | 2 | *1 |
| **1 1/8** | 47.8 | 54 | 18 | 57 | 660 | 2 | *1 |
| **1 3/16** | 49 | 54 | 21 | 62 | 660 | 2 | *1 |
| **1 1/4** | 51.5 | 54 | 21 | 62 | 690 | 2 | *1 |
| **1 3/8** | 55.3 | 54 | 21 | 62 | 710 | 2 | *1 |
| **1 7/16** | 57.8 | 54 | 21 | 62 | 735 | 2 | *1 |
| **1 1/2** | 59 | 54 | 25 | 66 | 720 | 2 | *1 |
| **1 3/4** | 67.8 | 54 | 27 | 68 | 970 | 2 | *1 |
| **1.15/16** | 72.8 | 54 | 35 | 70 | 1000 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18301X

6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada

thin

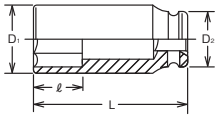



| 18301X (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 17 | 29.8 | 53 | 17 | 80 | 635 | 2 | *1 |
| 19 | 32.3 | 53 | 19 | 80 | 655 | 2 | *1 |
| 21 | 34.8 | 53 | 21 | 80 | 680 | 2 | *1 |
| 22 | 36 | 53 | 22 | 80 | 686 | 2 | *1 |
| 24 | 38.5 | 53 | 24 | 80 | 693 | 2 | *1 |
| 27 | 42.3 | 53 | 27 | 80 | 745 | 2 | *1 |
| 30 | 46 | 53 | 30 | 80 | 761 | 2 | *1 |
| 32 | 48.5 | 53 | 32 | 85 | 770 | 2 | *1 |
| 33 | 49.8 | 53 | 33 | 85 | 781 | 2 | *1 |
| 35 | 52.3 | 53 | 35 | 85 | 800 | 2 | *1 |
| 36 | 53.5 | 53 | 36 | 85 | 808 | 2 | *1 |
| 38 | 56 | 53 | 38 | 85 | 865 | 2 | *1 |
| 41 | 59.8 | 53 | 38 | 85 | 937 | 2 | *1 |
| 46 | 66 | 53 | 38 | 85 | 1032 | 2 | *1 |
| 50 | 71 | 53 | 55 | 85 | 1220 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18300M · 18300A

6-point Sockets, deep
Vasos Hexagonales Largos




| 18300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 19 | 35.3 | 54 | 19 | 108 | 1010 | 2 | *1 |
| 22 | 39 | 54 | 22 | 108 | 1010 | 2 | *1 |
| 23 | 40.3 | 54 | 26 | 108 | 1063 | 2 | *1 |
| 24 | 41.5 | 54 | 24 | 108 | 1060 | 2 | *1 |
| 25 | 42.8 | 54 | 25 | 108 | 1085 | 2 | *1 |
| 26 | 44 | 54 | 26 | 108 | 1133 | 2 | *1 |
| 27 | 45.3 | 54 | 27 | 108 | 1125 | 2 | *1 |
| 28 | 46.5 | 54 | 28 | 108 | 1140 | 2 | *1 |
| 29 | 47.8 | 54 | 29 | 108 | 1120 | 2 | *1 |
| 30 | 49 | 54 | 30 | 108 | 1179 | 2 | *1 |
| 31 | 50.3 | 54 | 31 | 108 | 1125 | 2 | *1 |
| 32 | 51.5 | 54 | 32 | 108 | 1200 | 2 | *1 |
| 33 | 52.8 | 54 | 33 | 108 | 1200 | 2 | *1 |
| 34 | 54 | 54 | 34 | 108 | 1280 | 2 | *1 |
| 35 | 55.3 | 54 | 35 | 108 | 1300 | 2 | *1 |
| 36 | 56.5 | 54 | 36 | 108 | 1280 | 2 | *1 |
| 37 | 57.8 | 54 | 37 | 108 | 1320 | 2 | *1 |
| 38 | 59 | 54 | 38 | 108 | 1423 | 2 | *1 |
| 40 | 61.5 | 54 | 38 | 108 | 1415 | 2 | *1 |
| 41 | 62.8 | 54 | 38 | 108 | 1450 | 2 | *1 |
| 42 | 64 | 54 | 38 | 108 | 1550 | 2 | *1 |
| 44 | 66.5 | 54 | 38 | 108 | 1636 | 2 | *1 |
| 45 | 67.8 | 54 | 38 | 108 | 1660 | 2 | *1 |
| 46 | 69 | 54 | 38 | 108 | 1680 | 2 | *1 |
| 48 | 71.5 | 54 | 67 | 108 | 1500 | 2 | *1 |
| 50 | 74 | 54 | 66 | 108 | 1650 | 2 | *1 |
| 52 | 76.5 | 54 | 65 | 108 | 1770 | 2 | *1 |
| 55 | 80.3 | 54 | 63 | 108 | 1855 | 2 | *1 |
| 60 | 86.5 | 54 | 60 | 108 | 2047 | 2 | *1 |
| 65 | 92.8 | 54 | 58 | 108 | 2310 | 2 | *1 |
| 70 | 99 | 54 | 55 | 108 | 2440 | 1 | *1 |
| 75 | 105.3 | 86 | 52 | 108 | 3646 | 1 | *2 |
| 80 | 111.5 | 86 | 49 | 108 | 4039 | 1 | *2 |
| 85 | 117.8 | 86 | 59 | 108 | 4000 | 1 | *2 |
| 90 | 124 | 86 | 57 | 108 | 4200 | 1 | *2 |
| 95 | 130.3 | 86 | 55 | 108 | 4400 | 1 | *2 |

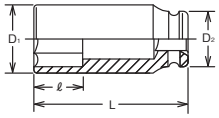
*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B ➡P232-233

| 18300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| 11/16 | 32.8 | 54 | 17 | 108 | 978 | 2 | *1 |
| 3/4 | 35.3 | 54 | 19 | 108 | 1010 | 2 | *1 |
| 7/8 | 39 | 54 | 22 | 108 | 1010 | 2 | *1 |
| 15/16 | 41.5 | 54 | 24 | 108 | 1060 | 2 | *1 |
| 1 | 42.8 | 54 | 25 | 108 | 1085 | 2 | *1 |
| 1. 1/16 | 45.3 | 54 | 27 | 108 | 1125 | 2 | *1 |
| 1. 1/8 | 47.8 | 54 | 29 | 108 | 1120 | 2 | *1 |
| 1. 3/16 | 49 | 54 | 30 | 108 | 1179 | 2 | *1 |
| 1. 1/4 | 51.5 | 54 | 32 | 108 | 1200 | 2 | *1 |
| 1. 5/16 | 54 | 54 | 34 | 108 | 1280 | 2 | *1 |
| 1. 3/8 | 55.3 | 54 | 35 | 108 | 1300 | 2 | *1 |
| 1. 7/16 | 57.8 | 54 | 37 | 108 | 1320 | 2 | *1 |
| 1. 1/2 | 59 | 54 | 38 | 108 | 1423 | 2 | *1 |
| 1. 9/16 | 61.5 | 54 | 38 | 108 | 1415 | 2 | *1 |
| 1. 5/8 | 62.8 | 54 | 38 | 108 | 1450 | 2 | *1 |
| 1.11/16 | 65.3 | 54 | 38 | 108 | 1577 | 2 | *1 |
| 1. 3/4 | 67.8 | 54 | 38 | 108 | 1660 | 2 | *1 |
| 1.13/16 | 69 | 54 | 38 | 108 | 1680 | 2 | *1 |
| 1. 7/8 | 71.5 | 54 | 67 | 108 | 1500 | 2 | *1 |
| 1.15/16 | 72.8 | 54 | 67 | 108 | 1570 | 2 | *1 |
| 2 | 75.3 | 54 | 66 | 108 | 1605 | 2 | *1 |
| 2. 1/16 | 76.5 | 54 | 65 | 108 | 1770 | 2 | *1 |
| 2. 1/8 | 79 | 54 | 64 | 108 | 1812 | 2 | *1 |
| 2. 3/16 | 80.3 | 54 | 63 | 108 | 1855 | 2 | *1 |
| 2. 1/4 | 82.8 | 54 | 62 | 108 | 1916 | 2 | *1 |
| 2. 5/16 | 84 | 54 | 61 | 108 | 1987 | 2 | *1 |
| 2. 3/8 | 86.5 | 54 | 60 | 108 | 2047 | 2 | *1 |
| 2. 7/16 | 89 | 54 | 59 | 108 | 2041 | 2 | *1 |
| 2. 1/2 | 91.5 | 54 | 58 | 108 | 2250 | 2 | *1 |
| 2. 9/16 | 92.8 | 54 | 58 | 108 | 2310 | 2 | *1 |
| 2. 5/8 | 95.3 | 54 | 56 | 108 | 2370 | 1 | *1 |
| 2. 3/4 | 99 | 54 | 55 | 108 | 2440 | 1 | *1 |
| 2. 7/8 | 102.8 | 86 | 53 | 108 | 3600 | 1 | *2 |
| 2.15/16 | 105.3 | 86 | 52 | 108 | 3646 | 1 | *2 |
| 3 | 106.5 | 86 | 51 | 108 | 3677 | 1 | *2 |
| 3. 1/16 | 109 | 86 | 50 | 108 | 3939 | 1 | *2 |
| 3. 1/8 | 111.5 | 86 | 49 | 108 | 4039 | 1 | *2 |
| 3. 3/16 | 112.8 | 86 | 48 | 108 | 4170 | 1 | *2 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B ➡P232-233

## 18301M · 18301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Parad De Igada



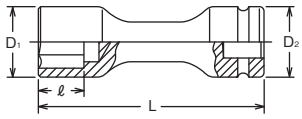

| 18301M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 29.8 | 53 | 17 | 108 | 692 | 2 | *1 |
| New **18** | 31 | 53 | 18 | 108 | 710 | 2 | *1 |
| **19** | 32.3 | 53 | 19 | 108 | 725 | 2 | *1 |
| New **20** | 33.5 | 53 | 20 | 108 | 740 | 2 | *1 |
| **21** | 34.8 | 53 | 21 | 108 | 750 | 2 | *1 |
| **22** | 36 | 53 | 22 | 108 | 770 | 2 | *1 |
| **24** | 38.5 | 53 | 24 | 108 | 800 | 2 | *1 |
| **27** | 42.3 | 53 | 27 | 108 | 860 | 2 | *1 |
| **30** | 46 | 53 | 30 | 108 | 910 | 2 | *1 |
| **32** | 48.5 | 53 | 32 | 108 | 970 | 2 | *1 |
| **33** | 49.8 | 53 | 33 | 108 | 980 | 2 | *1 |
| New **34** | 51 | 53 | 34 | 108 | 980 | 2 | *1 |
| **35** | 52.3 | 53 | 35 | 108 | 986 | 2 | *1 |
| **36** | 53.5 | 53 | 36 | 108 | 992 | 2 | *1 |
| **38** | 56 | 53 | 38 | 108 | 1025 | 2 | *1 |
| **41** | 59.8 | 53 | 38 | 108 | 1213 | 2 | *1 |
| **46** | 66 | 53 | 38 | 108 | 1400 | 2 | *1 |
| **50** | 71 | 53 | 38 | 108 | 1435 | 2 | *1 |

| 18301A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **11/16** | 29.8 | 53 | 17 | 108 | 692 | 2 | *1 |
| **3/4** | 32.3 | 53 | 19 | 108 | 725 | 2 | *1 |
| **13/16** | 34.8 | 53 | 21 | 108 | 750 | 2 | *1 |
| **7/8** | 36 | 53 | 22 | 108 | 770 | 2 | *1 |
| **15/16** | 38.5 | 53 | 24 | 108 | 800 | 2 | *1 |
| **1. 1/16** | 42.3 | 53 | 27 | 108 | 860 | 2 | *1 |
| **1. 3/16** | 46 | 53 | 30 | 108 | 910 | 2 | *1 |
| **1. 1/4** | 48.5 | 53 | 32 | 108 | 970 | 2 | *1 |
| **1. 3/8** | 52.3 | 53 | 35 | 108 | 986 | 2 | *1 |
| **1. 1/2** | 56 | 53 | 38 | 108 | 1025 | 2 | *1 |
| **1. 5/8** | 59.8 | 53 | 38 | 108 | 1213 | 2 | *1 |
| **1.13/16** | 66 | 53 | 38 | 108 | 1400 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18104M

Extra Long Sockets
Vasos Extra-Largos

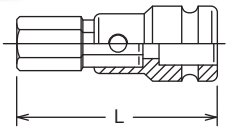



| 18104M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **24** | 41.5 | 54 | 24 | 170 | 1327 | 1 | *1 |
| **27** | 45.3 | 54 | 27 | 170 | 1375 | 1 | *1 |
| **28** | 46.5 | 54 | 28 | 170 | 1390 | 1 | *1 |
| **30** | 49 | 54 | 30 | 170 | 1407 | 1 | *1 |
| **32** | 51.5 | 54 | 32 | 170 | 1537 | 1 | *1 |
| **33** | 52.8 | 54 | 33 | 170 | 1590 | 1 | *1 |
| **34** | 54 | 54 | 34 | 170 | 1670 | 1 | *1 |
| **36** | 56.5 | 54 | 36 | 170 | 1800 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18106-16

Hex Bit Sockets
Vasos con Punta Hexagonal



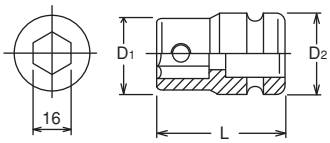

| 18106.16 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **10** | 92 | 686 | 1 | *1 |
| **12** | 92 | 692 | 1 | *1 |
| **13** | 92 | 696 | 1 | *1 |
| **14** | 92 | 700 | 1 | *1 |
| **16** | 92 | 709 | 1 | *1 |
| **17** | 92 | 713 | 1 | *1 |
| **18** | 92 | 718 | 1 | *1 |
| **19** | 92 | 764 | 1 | *1 |
| **22** | 92 | 781 | 1 | *1 |

| 18106.16 (inch) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **1/2** | 92 | 696 | 1 | *1 |
| **9/16** | 92 | 700 | 1 | *1 |
| **5/8** | 92 | 709 | 1 | *1 |
| **3/4** | 92 | 764 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18106

Bit Holder
Porta Punta



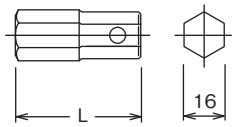

| | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **18106** | 32 | 54 | 68 | 640 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

Replacement Screw : M6x10, ⬢3mm

## 107-16

Bits for Inhex Screws
Puntas para Tornillos Inhex

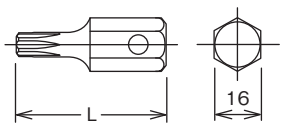



| 107.16 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **10** | 40 | 46 | 10 |
| **12** | 40 | 52 | 10 |
| **13** | 40 | 56 | 10 |
| **14** | 40 | 60 | 10 |
| **16** | 40 | 69 | 10 |
| **17** | 40 | 73 | 10 |
| **18** | 40 | 78 | 10 |
| **19** | 40 | 80 | 10 |
| **22** | 40 | 97 | 10 |

| 107.16 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **1/2** | 40 | 56 | 10 |
| **9/16** | 40 | 60 | 10 |
| **5/8** | 40 | 69 | 10 |
| **3/4** | 40 | 80 | 10 |

## 107-16 (T)

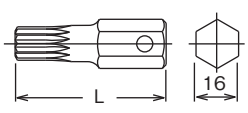
TORX® Bits
Puntas TORX®




| 107.16 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T55** | 50 | 57 | 10 |
| **T60** | 50 | 64 | 10 |
| **T70** | 50 | 73 | 10 |

## 107-16 (XZN)

XZN Bits
Puntas XZN




| 107.16 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M14** | 60 | 83 | 10 |
| **M16** | 60 | 93 | 10 |
| **M18** | 60 | 103 | 10 |



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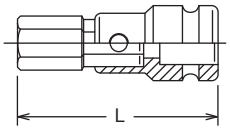
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 18107-22

Hex Bit Sockets
Vasos con Punta Hexagonal

| 18107.22 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **19** | 98 | 910 | 1 | *1 |
| **22** | 98 | 932 | 1 | *1 |
| **24** | 98 | 946 | 1 | *1 |
| **27** | 98 | 986 | 1 | *1 |
| **30** | 98 | 1008 | 1 | *1 |
| **32** | 103 | 1029 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233



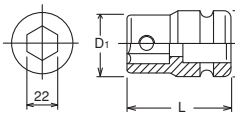

## 18107

Bit Holder
Porta Punta

| | $D_1$ (mm) | $D_2$ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|
| **18107** | 44 | 54 | 70 | 770 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

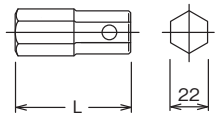
Replacement Screw : M8x14, ⬢4mm



## 107-22

Bits for Inhex Screws
Puntas para Tornillos Inhex

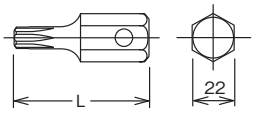
| 107.22 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **17** | 50 | 120 | 10 |
| **19** | 50 | 140 | 10 |
| **22** | 50 | 162 | 10 |
| **24** | 50 | 176 | 10 |
| **27** | 50 | 200 | 10 |
| **30** | 50 | 227 | 10 |
| **32** | 55 | 243 | 10 |



## 107-22 (T)

TORX® Bits
Puntas TORX®

| 107.22 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T 80** | 60 | 141 | 10 |
| **T 90** | 60 | 155 | 10 |
| **T100** | 60 | 170 | 10 |



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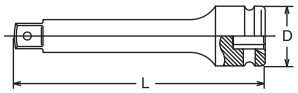
## 18760-175 · -200 · -250 · -330

Extension Bars
Alargaderas

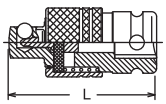



| 18760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **175** | 54 | 175 | 1400 | 1 | *1 |
| **200** | 54 | 200 | 1580 | 1 | *1 |
| **250** | 54 | 250 | 1885 | 1 | *1 |
| **330** | 54 | 330 | 2380 | 1 | *1 |

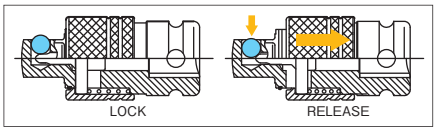
*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18888AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)




**Lock & Quick Release**

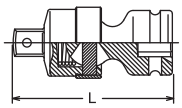


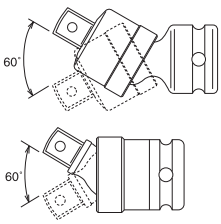

| | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|
| **18888AL** | 95 | 980 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18770

Universal Joint
Articulación Universal



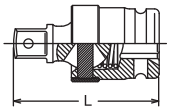




| | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **18770** | 127 | 1210 | 1 | *1 |
| **18771** | 115 | 1210 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 18771

Universal Joint
Articulación Universal



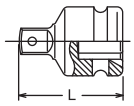
## 18866A Adaptors Adaptadores No Warranty Sin Garantia

## 18866A-200

| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| 18866A | 1" | 3/4" | 65 | 580 | 1 | *1 |
| 18866A-200 | 1" | 3/4" | 200 | 1100 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

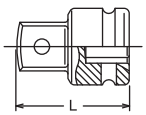
Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



## 18877A Adaptor Adaptador

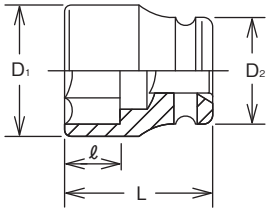
| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| 18877A | 1" | 1.1/2" | 80 | 935 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233



## 17400M · 17400A

6-point Sockets
Vasos Hexagonales




| | 17400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| New | **36** | 62 | 86 | 20 | 77 | 2126 | 1 | *1 |
| | **41** | 68 | 86 | 22 | 80 | 2346 | 1 | *1 |
| | **42** | 70 | 86 | 22 | 80 | 2330 | 1 | *1 |
| | **46** | 74 | 86 | 26 | 84 | 2360 | 1 | *1 |
| | **50** | 79 | 86 | 27 | 84 | 2400 | 1 | *1 |
| | **52** | 82 | 86 | 38 | 84 | 2340 | 1 | *1 |
| | **54** | 84 | 86 | 38 | 84 | 2340 | 1 | *1 |
| | **55** | 85 | 86 | 44 | 90 | 2450 | 1 | *1 |
| | **58** | 88 | 86 | 44 | 90 | 2510 | 1 | *1 |
| | **60** | 91 | 86 | 43 | 90 | 2640 | 1 | *1 |
| | **65** | 97 | 86 | 48 | 95 | 3050 | 1 | *1 |
| | **70** | 103 | 86 | 52 | 100 | 3350 | 1 | *1 |
| | **75** | 108 | 86 | 56 | 105 | 3700 | 1 | *1 |
| | **80** | 115 | 86 | 60 | 110 | 4240 | 1 | *1 |
| | **85** | 122 | 86 | 60 | 110 | 4550 | 1 | *1 |
| | **90** | 128 | 86 | 60 | 112 | 4840 | 1 | *1 |
| | **95** | 135 | 127 | 52 | 112 | 7660 | 1 | *2 |
| | **100** | 140 | 127 | 53 | 115 | 7700 | 1 | *2 |
| | **105** | 146 | 127 | 57 | 120 | 8000 | 1 | *2 |
| | **110** | 153 | 127 | 60 | 124 | 9200 | 1 | *2 |
| | **115** | 160 | 127 | 62 | 128 | 10700 | 1 | *2 |
| | **120** | 166 | 127 | 64 | 132 | 11200 | 1 | *2 |
| | **125** | 173 | 127 | 67 | 136 | 13000 | 1 | *2 |
| | **130** | 180 | 127 | 69 | 140 | 14200 | 1 | *2 |
| | **135** | 186 | 127 | 73 | 145 | 14940 | 1 | *2 |
| | **140** | 190 | 127 | 76 | 150 | 15600 | 1 | *2 |
| | **150** | 200 | 127 | 83 | 160 | 16500 | 1 | *2 |

| 17400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **1. 5/8** | 68 | 86 | 22 | 80 | 2346 | 1 | *1 |
| **1.11/16** | 71 | 86 | 22 | 80 | 2300 | 1 | *1 |
| **1. 3/4** | 73 | 86 | 22 | 80 | 2290 | 1 | *1 |
| **1.13/16** | 74 | 86 | 26 | 84 | 2360 | 1 | *1 |
| **1. 7/8** | 77 | 86 | 26 | 84 | 2440 | 1 | *1 |
| **1.15/16** | 79 | 86 | 27 | 84 | 2400 | 1 | *1 |
| **2** | 80 | 86 | 27 | 84 | 2420 | 1 | *1 |
| **2. 1/16** | 82 | 86 | 38 | 84 | 2340 | 1 | *1 |
| **2. 1/8** | 84 | 86 | 38 | 84 | 2340 | 1 | *1 |
| **2. 3/16** | 85 | 86 | 44 | 90 | 2450 | 1 | *1 |
| **2. 1/4** | 87 | 86 | 43 | 90 | 2460 | 1 | *1 |
| **2. 5/16** | 88 | 86 | 44 | 90 | 2510 | 1 | *1 |
| **2. 3/8** | 91 | 86 | 43 | 90 | 2640 | 1 | *1 |
| **2. 7/16** | 93 | 86 | 47 | 95 | 2860 | 1 | *1 |
| **2. 1/2** | 96 | 86 | 47 | 95 | 3000 | 1 | *1 |
| **2. 9/16** | 97 | 86 | 48 | 95 | 3050 | 1 | *1 |
| **2. 5/8** | 100 | 86 | 51 | 100 | 3300 | 1 | *1 |
| **2.11/16** | 101 | 86 | 51 | 100 | 3300 | 1 | *1 |
| **2. 3/4** | 103 | 86 | 52 | 100 | 3350 | 1 | *1 |
| **2.13/16** | 105 | 86 | 55 | 105 | 3670 | 1 | *1 |
| **2. 7/8** | 106 | 86 | 55 | 105 | 3610 | 1 | *1 |
| **2.15/16** | 108 | 86 | 56 | 105 | 3700 | 1 | *1 |
| **3** | 108 | 86 | 55 | 105 | 3680 | 1 | *1 |
| **3. 1/8** | 115 | 86 | 60 | 110 | 4240 | 1 | *1 |
| **3. 1/4** | 118 | 86 | 59 | 110 | 4370 | 1 | *1 |
| **3. 3/8** | 123 | 86 | 60 | 110 | 4570 | 1 | *1 |
| **3. 1/2** | 128 | 86 | 60 | 112 | 4840 | 1 | *1 |
| **3. 5/8** | 132 | 86 | 52 | 112 | 5500 | 1 | *1 |
| **3. 3/4** | 135 | 127 | 52 | 112 | 7660 | 1 | *2 |
| **3. 7/8** | 140 | 127 | 53 | 115 | 7700 | 1 | *2 |
| **4** | 146 | 127 | 57 | 120 | 8000 | 1 | *2 |
| **4. 1/8** | 146 | 127 | 57 | 120 | 8000 | 1 | *2 |
| **4. 1/4** | 153 | 127 | 60 | 124 | 9200 | 1 | *2 |
| **4. 1/2** | 160 | 127 | 62 | 128 | 10700 | 1 | *2 |
| **4. 5/8** | 166 | 127 | 64 | 132 | 11200 | 1 | *2 |
| **4. 3/4** | 168 | 127 | 64 | 132 | 11200 | 1 | *2 |
| **4. 7/8** | 173 | 127 | 67 | 136 | 13000 | 1 | *2 |
| **5** | 180 | 127 | 69 | 140 | 14200 | 1 | *2 |
| **5. 1/4** | 186 | 127 | 73 | 145 | 14940 | 1 | *2 |
| **6** | 205 | 127 | 88 | 165 | 16500 | 1 | *2 |
| **6. 1/2** | 205 | 127 | 94 | 175 | 17500 | 1 | *2 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B

➡P232-233

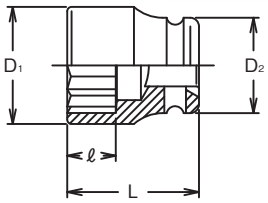
## 17405M · 17405A

12-point Sockets
Vasos Bihexagonales

| 17405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **46** | 74 | 86 | 26 | 84 | 2360 | 1 | *1 |
| **50** | 79 | 86 | 27 | 84 | 2400 | 1 | *1 |
| **55** | 85 | 86 | 44 | 90 | 2450 | 1 | *1 |
| **60** | 91 | 86 | 43 | 90 | 2640 | 1 | *1 |
| **65** | 97 | 86 | 48 | 95 | 3050 | 1 | *1 |
| **70** | 103 | 86 | 52 | 100 | 3350 | 1 | *1 |
| **75** | 108 | 86 | 56 | 105 | 3700 | 1 | *1 |
| **80** | 115 | 86 | 60 | 110 | 4240 | 1 | *1 |
| **85** | 122 | 86 | 60 | 110 | 4550 | 1 | *1 |
| **90** | 128 | 86 | 60 | 112 | 4840 | 1 | *1 |

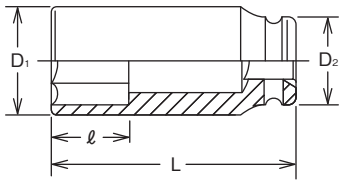
| 17405A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **1.11/16** | 71 | 86 | 22 | 80 | 2300 | 1 | *1 |
| **1. 3/4** | 73 | 86 | 22 | 80 | 2290 | 1 | *1 |
| **1. 7/8** | 77 | 86 | 26 | 84 | 2440 | 1 | *1 |
| **1.15/16** | 79 | 86 | 27 | 84 | 2400 | 1 | *1 |
| **2** | 80 | 86 | 27 | 84 | 2420 | 1 | *1 |
| **2. 1/16** | 82 | 86 | 38 | 84 | 2340 | 1 | *1 |
| **2. 1/8** | 84 | 86 | 38 | 84 | 2340 | 1 | *1 |
| **2. 3/16** | 85 | 86 | 44 | 90 | 2450 | 1 | *1 |
| **2. 1/4** | 87 | 86 | 43 | 90 | 2460 | 1 | *1 |
| **2. 3/8** | 91 | 86 | 43 | 90 | 2640 | 1 | *1 |
| **2. 7/16** | 93 | 86 | 47 | 95 | 2860 | 1 | *1 |
| **2. 1/2** | 96 | 86 | 47 | 95 | 3000 | 1 | *1 |
| **2. 9/16** | 97 | 86 | 48 | 95 | 3050 | 1 | *1 |
| **2. 5/8** | 100 | 86 | 51 | 100 | 3300 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233




## 17300M · 17300A

6-point Deep Sockets
Vasos Hexagonales Largos




| 17300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **41** | 68 | 86 | 27 | 115 | 3080 | 1 | *1 |
| **42** | 70 | 86 | 27 | 115 | 3140 | 1 | *1 |
| **46** | 74 | 86 | 28 | 125 | 3440 | 1 | *1 |
| **50** | 79 | 86 | 30 | 135 | 3840 | 1 | *1 |
| **54** | 84 | 86 | 30 | 135 | 4160 | 1 | *1 |
| **55** | 85 | 86 | 33 | 135 | 4130 | 1 | *1 |
| **60** | 91 | 86 | 35 | 135 | 4370 | 1 | *1 |
| **65** | 97 | 86 | 38 | 145 | 5260 | 1 | *1 |
| **70** | 103 | 86 | 40 | 145 | 5780 | 1 | *1 |
| **75** | 108 | 86 | 42 | 155 | 6580 | 1 | *1 |
| **80** | 115 | 86 | 46 | 165 | 7740 | 1 | *1 |
| **85** | 122 | 86 | 49 | 165 | 7420 | 1 | *1 |
| **90** | 128 | 86 | 52 | 175 | 9100 | 1 | *1 |
| **95** | 135 | 127 | 55 | 175 | 12160 | 1 | *2 |
| **100** | 140 | 127 | 58 | 185 | 11450 | 1 | *2 |
| **105** | 146 | 127 | 62 | 195 | 13850 | 1 | *2 |
| **110** | 153 | 127 | 65 | 195 | 15500 | 1 | *2 |
| **115** | 160 | 127 | 68 | 195 | 17160 | 1 | *2 |
| **120** | 166 | 127 | 72 | 205 | 18800 | 1 | *2 |
| **125** | 173 | 127 | 74 | 205 | 19570 | 1 | *2 |
| **130** | 180 | 127 | 76 | 205 | 20310 | 1 | *2 |

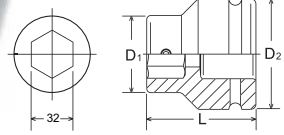
*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B ➡P232-233

| 17300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **1. 5/8** | 68 | 86 | 27 | 115 | 3080 | 1 | *1 |
| **1.11/16** | 71 | 86 | 27 | 115 | 3180 | 1 | *1 |
| **1. 3/4** | 73 | 86 | 27 | 115 | 3210 | 1 | *1 |
| **1.13/16** | 74 | 86 | 28 | 125 | 3440 | 1 | *1 |
| **1. 7/8** | 77 | 86 | 28 | 125 | 3550 | 1 | *1 |
| **1.15/16** | 79 | 86 | 28 | 125 | 3590 | 1 | *1 |
| **2** | 80 | 86 | 30 | 135 | 3916 | 1 | *1 |
| **2. 1/16** | 82 | 86 | 30 | 135 | 4030 | 1 | *1 |
| **2. 1/8** | 84 | 86 | 30 | 135 | 4160 | 1 | *1 |
| **2. 3/16** | 85 | 86 | 33 | 135 | 4200 | 1 | *1 |
| **2. 1/4** | 87 | 86 | 33 | 135 | 4160 | 1 | *1 |
| **2. 3/8** | 91 | 86 | 35 | 135 | 4370 | 1 | *1 |
| **2. 7/16** | 93 | 86 | 35 | 135 | 4490 | 1 | *1 |
| **2. 1/2** | 96 | 86 | 35 | 135 | 4630 | 1 | *1 |
| **2. 9/16** | 97 | 86 | 38 | 145 | 5260 | 1 | *1 |
| **2. 5/8** | 100 | 86 | 38 | 145 | 5320 | 1 | *1 |
| **2.11/16** | 101 | 86 | 38 | 145 | 5670 | 1 | *1 |
| **2. 3/4** | 103 | 86 | 40 | 145 | 5780 | 1 | *1 |
| **2.13/16** | 105 | 86 | 40 | 145 | 6000 | 1 | *1 |
| **2. 7/8** | 106 | 86 | 40 | 145 | 6080 | 1 | *1 |
| **2.15/16** | 108 | 86 | 42 | 155 | 6580 | 1 | *1 |
| **3** | 108 | 86 | 42 | 155 | 6850 | 1 | *1 |
| **3. 1/8** | 115 | 86 | 46 | 165 | 7740 | 1 | *1 |
| **3. 3/4** | 135 | 127 | 55 | 175 | 12200 | 1 | *2 |
| **3. 7/8** | 140 | 127 | 56 | 175 | 11080 | 1 | *2 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233
*2 Pin/O-Ring=1702A/B

## 17108

Bit Holder, For 107-32
Porta Punta



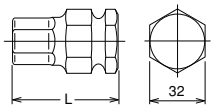

| | D1 (mm) | D2 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **17108** | 60 | 86 | 85 | 2200 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233

Replacement Screw : M8x14, ⬢4mm

## 107-32

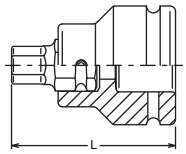
Bit for Inhex Screws
Puntas para Tornillos Inhex




| 107.32 (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|
| **19** | 60 | 300 | 10 |
| **22** | 60 | 320 | 10 |
| **24** | 60 | 330 | 10 |
| **27** | 60 | 360 | 10 |
| **30** | 60 | 390 | 10 |
| **32** | 60 | 410 | 10 |
| **36** | 60 | 460 | 10 |

## 17108-32

Hex Bit Sockets
Vasos con Punta Hexagonal



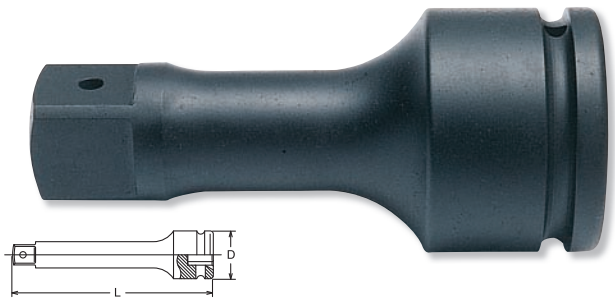

| | 17108-32 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| New | **19** | 115 | 2500 | 1 | *1 |
| New | **22** | 115 | 2520 | 1 | *1 |
| New | **24** | 115 | 2530 | 1 | *1 |
| New | **27** | 115 | 2560 | 1 | *1 |
| New | **30** | 115 | 2590 | 1 | *1 |
| New | **32** | 115 | 2610 | 1 | *1 |
| New | **36** | 115 | 2660 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233

## 17760-175 · -250 · -330 Extension Bars Alargaderas

| 17760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **175** | 86 | 175 | 3300 | 1 | *1 |
| **250** | 86 | 250 | 4500 | 1 | *1 |
| **330** | 86 | 330 | 5200 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233




## 17770 Universal Joint Articulación Universal

| | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **17770** | 200 | 4700 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233

## 17788A⚠ Adaptors Adaptadores No Warranty Sin Garantía

| | □ (sq.) | ■ (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **17788A** | 1.1/2" | 1" | 97 | 2600 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

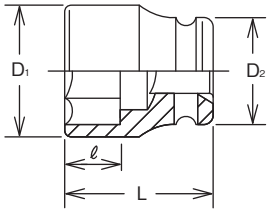
## 17799A Adaptors Adaptadores

| | □ (sq.) | ■ (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **17799A** | 1.1/2" | 2.1/2" | 115 | 3790 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P232-233

## 19400M · 19400A

6-point Sockets
Vasos Hexagonales




| 19400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **50** | 88 | 127 | 39 | 115 | 7270 | 1 | *1 |
| **55** | 94 | 127 | 42 | 115 | 7350 | 1 | *1 |
| **60** | 100 | 127 | 45 | 125 | 7870 | 1 | *1 |
| **65** | 105 | 127 | 48 | 125 | 7790 | 1 | *1 |
| **70** | 110 | 127 | 51 | 125 | 7640 | 1 | *1 |
| **75** | 118 | 127 | 54 | 125 | 7740 | 1 | *1 |
| **80** | 124 | 127 | 57 | 125 | 7640 | 1 | *1 |
| **85** | 127 | 127 | 61 | 132 | 7840 | 1 | *1 |
| **90** | 135 | 127 | 64 | 132 | 8500 | 1 | *1 |
| **95** | 140 | 127 | 71 | 140 | 10160 | 1 | *1 |
| **100** | 146 | 127 | 71 | 142 | 11500 | 1 | *1 |
| **105** | 155 | 127 | 74 | 146 | 11350 | 1 | *1 |
| **110** | 160 | 127 | 76 | 155 | 12710 | 1 | *1 |
| **115** | 167 | 127 | 78 | 158 | 13980 | 1 | *1 |
| **120** | 175 | 175 | 79 | 160 | 15430 | 1 | *2 |
| **125** | 180 | 175 | 82 | 165 | 16590 | 1 | *2 |
| **130** | 185 | 175 | 85 | 169 | 17590 | 1 | *2 |
| **135** | 190 | 175 | 89 | 175 | 19030 | 1 | *2 |
| **140** | 200 | 175 | 93 | 180 | 21810 | 1 | *2 |
| **145** | 205 | 175 | 95 | 183 | 24440 | 1 | *2 |
| **150** | 210 | 175 | 97 | 192 | 25720 | 1 | *2 |
| **160** | 225 | 175 | 102 | 200 | 30920 | 1 | *2 |
| **165** | 230 | 175 | 105 | 204 | 32610 | 1 | *2 |
| **170** | 235 | 175 | 106 | 207 | 34390 | 1 | *2 |
| **175** | 240 | 175 | 109 | 211 | 36210 | 1 | *2 |
| **180** | 250 | 175 | 110 | 214 | 40630 | 1 | *2 |
| **185** | 255 | 175 | 113 | 218 | 42690 | 1 | *2 |
| **190** | 265 | 175 | 113 | 220 | 47440 | 1 | *2 |
| **200** | 275 | 175 | 116 | 225 | 51550 | 1 | *2 |
| **210** | 285 | 175 | 123 | 235 | 57170 | 1 | *2 |
| **215** | 290 | 175 | 126 | 240 | 60260 | 1 | *2 |
| **225** | 305 | 175 | 133 | 250 | 70180 | 1 | *2 |
| **235** | 315 | 175 | 140 | 260 | 77060 | 1 | *2 |

| 19400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **2. 3/8** | 100 | 127 | 45 | 125 | 7870 | 1 | *1 |
| **2. 7/16** | 102 | 127 | 46 | 125 | 7840 | 1 | *1 |
| **2. 1/2** | 103 | 127 | 47 | 125 | 7810 | 1 | *1 |
| **2. 9/16** | 105 | 127 | 48 | 125 | 7790 | 1 | *1 |
| **2. 5/8** | 107 | 127 | 49 | 125 | 7790 | 1 | *1 |
| **2.11/16** | 108 | 127 | 50 | 125 | 7790 | 1 | *1 |
| **2. 3/4** | 110 | 127 | 51 | 125 | 7640 | 1 | *1 |
| **2.13/16** | 113 | 127 | 52 | 125 | 7690 | 1 | *1 |
| **2. 7/8** | 115 | 127 | 53 | 125 | 7730 | 1 | *1 |
| **2.15/16** | 118 | 127 | 54 | 125 | 7740 | 1 | *1 |
| **3** | 120 | 127 | 55 | 125 | 7740 | 1 | *1 |
| **3. 1/8** | 124 | 127 | 57 | 125 | 7640 | 1 | *1 |
| **3. 1/4** | 125 | 127 | 59 | 125 | 7740 | 1 | *1 |
| **3. 3/8** | 127 | 127 | 61 | 132 | 7840 | 1 | *1 |
| **3. 1/2** | 135 | 127 | 64 | 132 | 8500 | 1 | *1 |
| **3. 5/8** | 138 | 127 | 64 | 132 | 9330 | 1 | *1 |
| **3. 3/4** | 140 | 127 | 71 | 140 | 10160 | 1 | *1 |
| **3. 7/8** | 143 | 127 | 70 | 140 | 10830 | 1 | *1 |
| **4** | 146 | 127 | 71 | 142 | 11500 | 1 | *1 |
| **4. 1/8** | 155 | 127 | 70 | 142 | 11250 | 1 | *1 |
| **4. 1/4** | 160 | 127 | 76 | 155 | 12710 | 1 | *1 |
| **4. 1/2** | 167 | 127 | 78 | 158 | 13980 | 1 | *1 |
| **4. 5/8** | 175 | 175 | 79 | 160 | 15430 | 1 | *2 |
| **4. 7/8** | 180 | 175 | 82 | 165 | 16590 | 1 | *2 |
| **5** | 183 | 175 | 81 | 165 | 17090 | 1 | *2 |
| **5. 1/4** | 190 | 175 | 89 | 175 | 19030 | 1 | *2 |
| **5. 3/8** | 198 | 175 | 94 | 180 | 20880 | 1 | *2 |
| **5. 1/2** | 200 | 175 | 93 | 180 | 21810 | 1 | *2 |
| **5. 5/8** | 203 | 175 | 94 | 182 | 22480 | 1 | *2 |
| **5. 3/4** | 207 | 175 | 103 | 192 | 24440 | 1 | *2 |
| **6** | 217 | 175 | 100 | 196 | 28510 | 1 | *2 |
| **6. 1/8** | 218 | 175 | 99 | 196 | 29720 | 1 | *2 |
| **6. 5/8** | 233 | 175 | 105 | 205 | 33500 | 1 | *2 |
| **7** | 248 | 175 | 110 | 213 | 39160 | 1 | *2 |

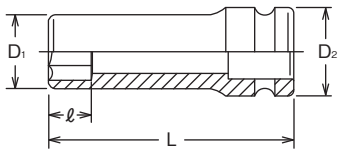
*1 Pin/O-Ring=1901A/B
*2 Pin/O-Ring=1902A/B ➡P233

## 19300M

6-point Deep Sockets
Vasos Hexagonales Largos

| 19300M (mm) | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **75** | 118 | 127 | 42 | 190 | 11930 | 1 | *1 |
| **80** | 124 | 127 | 46 | 190 | 12280 | 1 | *1 |
| **85** | 127 | 127 | 49 | 195 | 12480 | 1 | *1 |
| **90** | 135 | 127 | 52 | 205 | 14000 | 1 | *1 |
| **95** | 140 | 127 | 55 | 210 | 14630 | 1 | *1 |
| **100** | 146 | 127 | 58 | 215 | 15520 | 1 | *1 |
| **105** | 155 | 127 | 62 | 220 | 18250 | 1 | *1 |
| **110** | 160 | 127 | 65 | 225 | 18740 | 1 | *1 |
| **115** | 167 | 127 | 68 | 230 | 20940 | 1 | *1 |
| **120** | 175 | 175 | 72 | 235 | 23530 | 1 | *2 |
| **125** | 180 | 175 | 74 | 238 | 26110 | 1 | *2 |
| **130** | 185 | 175 | 76 | 243 | 25320 | 1 | *2 |
| **135** | 190 | 175 | 80 | 248 | 26290 | 1 | *2 |
| **140** | 200 | 175 | 82 | 248 | 28940 | 1 | *2 |
| **145** | 205 | 175 | 84 | 248 | 29520 | 1 | *2 |
| **150** | 210 | 175 | 88 | 255 | 30600 | 1 | *2 |
| **155** | 215 | 175 | 92 | 255 | 31680 | 1 | *2 |
| **160** | 225 | 175 | 95 | 260 | 35560 | 1 | *2 |
| **165** | 230 | 175 | 98 | 260 | 36040 | 1 | *2 |
| **170** | 235 | 175 | 100 | 265 | 37230 | 1 | *2 |
| **175** | 240 | 175 | 102 | 270 | 39420 | 1 | *2 |

*1 Pin/O-Ring=1901A/B
*2 Pin/O-Ring=1902A/B ➡P233

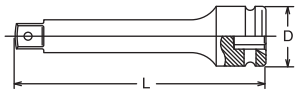



## 19760-250 · -500

Extension Bars
Alargaderas

| 19760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **250** | 127 | 250 | 17800 | 1 | *1 |
| **500** | 127 | 500 | 27800 | 1 | *1 |

*1 Pin/O-Ring=1901A/B ➡P233

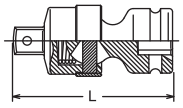



## 19770

Universal Joint
Articulación Universal

| | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|
| **19770** | 303 | 21360 | 1 | *1 |

*1 Pin/O-Ring=1901A/B ➡P233




## 19977A

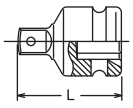
Adaptor
Adaptador

No Warranty
Sin Garantía

| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **19977A** | 2.1/2" | 1.1/2" | 144 | 7210 | 1 | *1 |

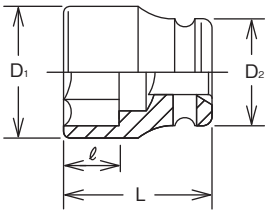
*1 Pin/O-Ring=1901A/B ➡P233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



## 10400M · 10400A

6-point Sockets
Vasos Hexagonales




| 10400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **105** | 165 | 175 | 86 | 176 | 19370 | 1 | *1 |
| **110** | 170 | 175 | 88 | 179 | 20160 | 1 | *1 |
| **115** | 175 | 175 | 90 | 183 | 21160 | 1 | *1 |
| **120** | 180 | 175 | 91 | 185 | 21930 | 1 | *1 |
| **125** | 188 | 175 | 94 | 190 | 23940 | 1 | *1 |
| **130** | 193 | 175 | 97 | 194 | 25050 | 1 | *1 |
| **135** | 200 | 175 | 101 | 199 | 26930 | 1 | *1 |
| **140** | 205 | 175 | 105 | 205 | 28560 | 1 | *1 |
| **145** | 210 | 200 | 106 | 207 | 29600 | 1 | *2 |
| **150** | 215 | 200 | 109 | 212 | 31240 | 1 | *2 |
| **160** | 228 | 200 | 114 | 220 | 35500 | 1 | *2 |
| **165** | 235 | 200 | 117 | 224 | 37940 | 1 | *2 |
| **170** | 240 | 200 | 118 | 227 | 39660 | 1 | *2 |
| **175** | 245 | 200 | 121 | 231 | 41400 | 1 | *2 |
| **180** | 255 | 200 | 122 | 234 | 45740 | 1 | *2 |
| **185** | 265 | 200 | 125 | 238 | 50350 | 1 | *2 |
| **190** | 275 | 200 | 125 | 239 | 54650 | 1 | *2 |
| **200** | 285 | 200 | 128 | 245 | 59190 | 1 | *2 |
| **210** | 295 | 200 | 135 | 255 | 64970 | 1 | *2 |
| **215** | 300 | 200 | 138 | 260 | 68150 | 1 | *2 |

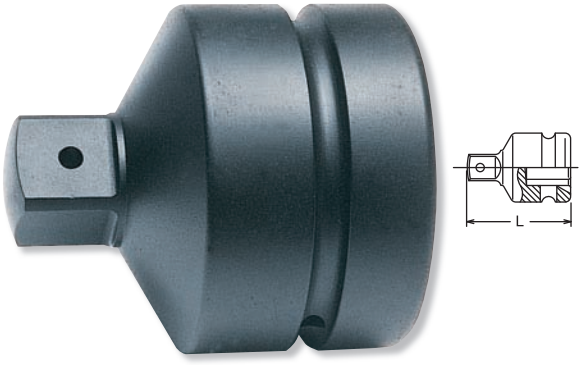
| 10400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **4.1/8** | 165 | 175 | 86 | 176 | 19370 | 1 | *1 |
| **4.1/4** | 168 | 175 | 87 | 178 | 19770 | 1 | *1 |
| **4.3/8** | 172 | 175 | 88 | 180 | 20660 | 1 | *1 |
| **4.1/2** | 175 | 175 | 89 | 182 | 21160 | 1 | *1 |
| **4.5/8** | 178 | 175 | 90 | 183 | 21550 | 1 | *1 |
| **4.3/4** | 180 | 175 | 91 | 185 | 21930 | 1 | *1 |
| **4.7/8** | 188 | 175 | 94 | 190 | 23940 | 1 | *1 |
| **5** | 188 | 175 | 95 | 191 | 24500 | 1 | *1 |
| **5.1/8** | 193 | 175 | 97 | 194 | 25050 | 1 | *1 |
| **5.1/4** | 197 | 175 | 100 | 198 | 25990 | 1 | *1 |
| **5.3/8** | 201 | 175 | 102 | 202 | 27750 | 1 | *1 |
| **5.1/2** | 205 | 175 | 105 | 205 | 28560 | 1 | *1 |
| **5.5/8** | 208 | 200 | 106 | 208 | 30110 | 1 | *2 |
| **5.3/4** | 212 | 200 | 108 | 210 | 30610 | 1 | *2 |
| **5.7/8** | 215 | 200 | 109 | 212 | 31240 | 1 | *2 |
| **6** | 219 | 200 | 110 | 214 | 32460 | 1 | *2 |
| **6.1/8** | 223 | 200 | 112 | 216 | 33670 | 1 | *2 |
| **6.1/4** | 227 | 200 | 114 | 218 | 34590 | 1 | *2 |
| **6.3/8** | 231 | 200 | 115 | 221 | 36720 | 1 | *2 |
| **6.1/2** | 235 | 200 | 117 | 224 | 37940 | 1 | *2 |
| **6.5/8** | 238 | 200 | 118 | 226 | 38800 | 1 | *2 |
| **6.3/4** | 241 | 200 | 119 | 228 | 39870 | 1 | *2 |
| **6.7/8** | 245 | 200 | 120 | 230 | 40640 | 1 | *2 |
| **7** | 251 | 200 | 121 | 232 | 43570 | 1 | *2 |
| **7.1/8** | 257 | 200 | 122 | 234 | 46450 | 1 | *2 |
| **7.1/4** | 263 | 200 | 123 | 236 | 48400 | 1 | *2 |
| **7.3/8** | 269 | 200 | 124 | 238 | 52500 | 1 | *2 |
| **7.1/2** | 275 | 200 | 125 | 240 | 55350 | 1 | *2 |
| **7.5/8** | 278 | 200 | 127 | 242 | 56050 | 1 | *2 |
| **7.3/4** | 282 | 200 | 129 | 245 | 57620 | 1 | *2 |
| **7.7/8** | 285 | 200 | 130 | 248 | 60870 | 1 | *2 |
| **8** | 290 | 200 | 132 | 250 | 62550 | 1 | *2 |
| **8.1/8** | 293 | 200 | 133 | 251 | 63760 | 1 | *2 |
| **8.1/4** | 295 | 200 | 135 | 255 | 64970 | 1 | *2 |
| **8.3/8** | 298 | 200 | 136 | 258 | 65580 | 1 | *2 |
| **8.1/2** | 300 | 200 | 138 | 260 | 68150 | 1 | *2 |
| **8.5/8** | 305 | 200 | 139 | 262 | 70760 | 1 | *2 |
| **8.3/4** | 310 | 200 | 140 | 264 | 73830 | 1 | *2 |
| **8.7/8** | 313 | 200 | 142 | 267 | 75780 | 1 | *2 |

*1 Pin/O-Ring=2001A/B
*2 Pin/O-Ring=2002A/B
➡P233

## 10099A

Adaptor
Adaptador

No Warranty
Sin Garantía




| | 凹 (sq.) | 凸 (sq.) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **10099A** | 3.1/2" | 2.1/2" | 182 | 16870 | 1 | *1 |

*1 Pin/O-Ring=2001A/B ➡P233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

# Sleeve Drive Sockets

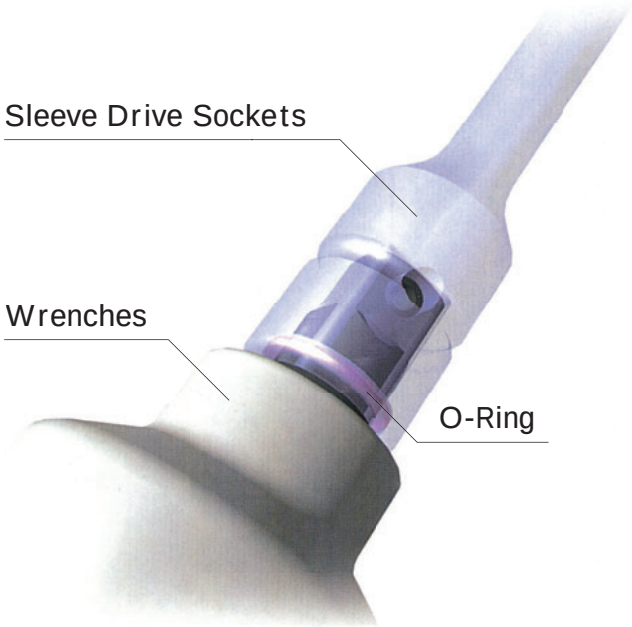
3/8”

1/2”

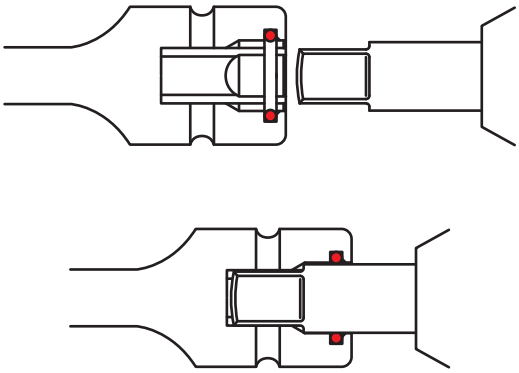
3/4”

The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con **casquillo conductor** evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del **casquillo conductor** optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.



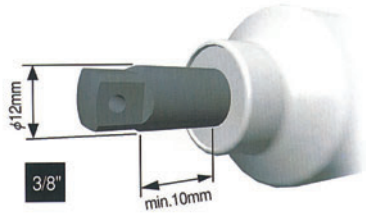

**SLEEVE DRIVE SOCKET** **PULSE TOOL**

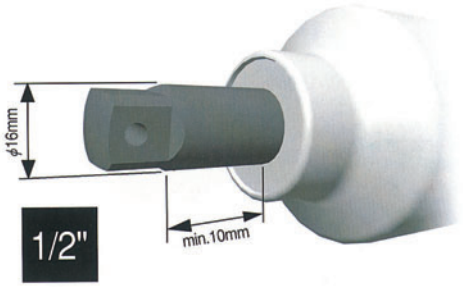


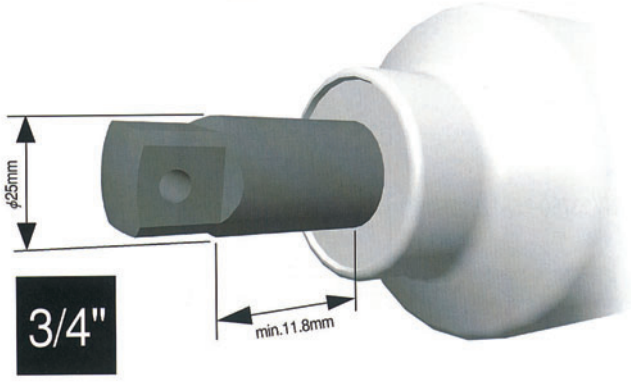
The ***"Sleeve Drive"*** Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

| | Anvil Diameter (mm) | Minimum Anvil Length (mm) |
|---|---|---|
| **3/8"sq.** | 12 | 10 |
| **1/2"sq.** | 16 | 10 |
| **3/4"sq.** | 25 | 11.8 |



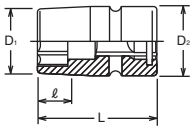



## NV13400

6-point Sockets
Vasos Hexagonales

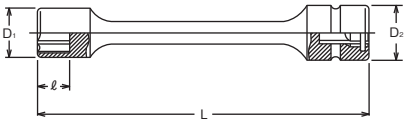
| NV13400 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.8 | 19 | 7 | 43 | 53 | 10 | *1 |
| **11** | 17 | 19 | 8 | 43 | 54 | 10 | *1 |
| **12** | 18.3 | 19 | 9 | 43 | 55 | 10 | *1 |
| **13** | 19.5 | 22 | 10 | 43 | 80 | 10 | *2 |
| **14** | 20.8 | 22 | 10 | 43 | 80 | 10 | *2 |
| **15** | 22 | 22 | 11 | 43 | 81 | 10 | *2 |
| **16** | 23.3 | 22 | 11 | 43 | 83 | 10 | *2 |
| **17** | 24.5 | 22 | 11 | 43 | 85 | 10 | *2 |
| **18** | 25.8 | 22 | 11 | 43 | 89 | 10 | *2 |
| **19** | 27 | 22 | 11 | 43 | 98 | 10 | *2 |
| **21** | 29.5 | 22 | 11 | 43 | 105 | 10 | *2 |
| **22** | 30.8 | 22 | 11 | 43 | 112 | 10 | *2 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P232-233




## NV13145-100 · -150 · -200

Extended Sockets
Vasos con Alargadera




| NV13145.100 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 13 | 19 | 6 | 100 | 108 | 10 | *1 |
| **8** | 13 | 19 | 8 | 100 | 110 | 10 | *1 |
| **10** | 15.5 | 19 | 10 | 100 | 112 | 10 | *1 |
| **12** | 18 | 19 | 12 | 100 | 120 | 10 | *1 |
| **13** | 19 | 19 | 13 | 100 | 127 | 10 | *1 |
| **14** | 21 | 19 | 14 | 100 | 131 | 10 | *1 |
| **15** | 22 | 19 | 15 | 100 | 133 | 10 | *1 |
| **16** | 24 | 19 | 15 | 100 | 144 | 10 | *1 |
| **17** | 25 | 19 | 15 | 100 | 154 | 10 | *1 |

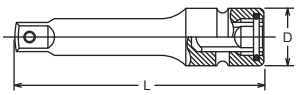
| NV13145.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 13 | 19 | 6 | 150 | 163 | 10 | *1 |
| **8** | 13 | 19 | 8 | 150 | 158 | 10 | *1 |
| **10** | 15.5 | 19 | 10 | 150 | 165 | 10 | *1 |
| **12** | 18 | 19 | 12 | 150 | 168 | 10 | *1 |
| **13** | 19 | 19 | 13 | 150 | 170 | 10 | *1 |
| **14** | 21 | 19 | 14 | 150 | 175 | 10 | *1 |
| **15** | 22 | 19 | 15 | 150 | 177 | 10 | *1 |
| **16** | 24 | 19 | 15 | 150 | 190 | 10 | *1 |
| **17** | 25 | 19 | 15 | 150 | 203 | 10 | *1 |

| NV13145.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **6** | 13 | 19 | 6 | 200 | 209 | 10 | *1 |
| **8** | 13 | 19 | 8 | 200 | 203 | 10 | *1 |
| **10** | 15.5 | 19 | 10 | 200 | 212 | 10 | *1 |
| **12** | 18 | 19 | 12 | 200 | 214 | 10 | *1 |
| **13** | 19 | 19 | 13 | 200 | 218 | 10 | *1 |
| **14** | 21 | 19 | 14 | 200 | 220 | 10 | *1 |
| **15** | 22 | 19 | 15 | 200 | 226 | 10 | *1 |
| **16** | 24 | 19 | 15 | 200 | 235 | 10 | *1 |
| **17** | 25 | 19 | 15 | 200 | 250 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
➡P232-233

## NV13760-75P · -125P · -150P · -250P

Extension Bars
Alargaderas

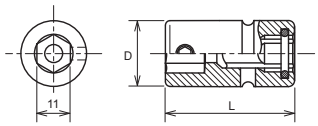


| NV13760 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| **75P** | 19 | 75 | 95 | 10 | *1 |
| **125P** | 19 | 125 | 125 | 10 | *1 |
| New **150P** | 19 | 150 | 150 | 10 | *1 |
| **250P** | 19 | 250 | 255 | 10 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
➡P232-233

## NV13105

Bit Holder
Porta Punta



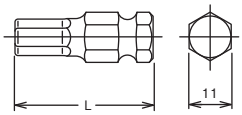

| NV13105 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| | 22 | 43 | 90 | 5 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

Replacement Screw : M5x6, ⬢2.5mm

## 107-11

Bits for Inhex Screws
Puntas para Tornillos de Seis Lados en el Interior (Inhex)



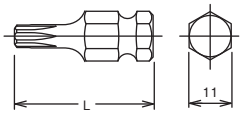
| 107-11 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3** | 35 | 15 | 10 |
| **4** | 35 | 16 | 10 |
| **5** | 35 | 16 | 10 |
| **6** | 35 | 18 | 10 |
| **7** | 35 | 19 | 10 |
| **8** | 35 | 20 | 10 |
| **10** | 35 | 26 | 10 |
| **11** | 35 | 28 | 10 |
| **12** | 35 | 31 | 10 |
| **14** | 35 | 38 | 10 |
| **16** | 35 | 47 | 10 |
| **17** | 35 | 50 | 10 |
| **18** | 35 | 53 | 10 |
| **19** | 35 | 56 | 10 |

| 107-11 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3/16** | 35 | 15 | 10 |
| **7/32** | 35 | 16 | 10 |
| **1/4** | 35 | 18 | 10 |
| **5/16** | 35 | 20 | 10 |
| **3/8** | 35 | 26 | 10 |
| **7/16** | 35 | 28 | 10 |
| **1/2** | 35 | 38 | 10 |
| **5/8** | 35 | 47 | 10 |
| **3/4** | 35 | 56 | 10 |

| 107-11(L80) (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **4** | 80 | 54 | 10 |
| **5** | 80 | 54 | 10 |
| **6** | 80 | 56 | 10 |
| **7** | 80 | 57 | 10 |
| **8** | 80 | 59 | 10 |
| **10** | 80 | 64 | 10 |
| **11** | 80 | 66 | 10 |
| **12** | 80 | 76 | 10 |
| **14** | 80 | 98 | 10 |

## 107-11 (T)

TORX® Bits
Puntas TORX®

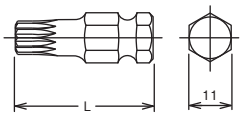


| 107-11 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T25** | 35 | 18 | 10 |
| **T30** | 35 | 18 | 10 |
| **T40** | 35 | 20 | 10 |
| **T45** | 35 | 22 | 10 |
| **T50** | 35 | 26 | 10 |
| **T55** | 35 | 31 | 10 |
| **T60** | 35 | 38 | 10 |

| 107-11(L80) (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T30** | 80 | 54 | 10 |
| **T40** | 80 | 54 | 10 |
| **T45** | 80 | 56 | 10 |
| **T50** | 80 | 57 | 10 |
| **T55** | 80 | 66 | 10 |
| **T60** | 80 | 76 | 10 |

## 107-11 (XZN)

Bits XZN
Puntas XZN



| 107-11 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 35 | 18 | 10 |
| **M 5** | 35 | 20 | 10 |
| **M 6** | 35 | 22 | 10 |
| **M 8** | 35 | 26 | 10 |
| **M10** | 35 | 31 | 10 |
| **M12** | 35 | 38 | 10 |

| 107-11(L80) (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 80 | 54 | 10 |
| **M 5** | 80 | 54 | 10 |
| **M 6** | 80 | 56 | 10 |
| **M 8** | 80 | 57 | 10 |
| **M10** | 80 | 66 | 10 |
| **M12** | 80 | 76 | 10 |
| **M14** | 80 | 80 | 10 |



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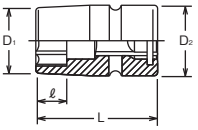
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## NV14400

6-point Sockets
Vasos Hexagonales

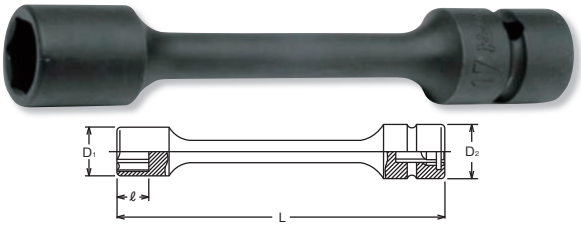


| NV14400 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **12** | 19.5 | 25 | 9 | 54 | 120 | 10 | *1 |
| **13** | 20.7 | 25 | 10 | 54 | 120 | 10 | *1 |
| **14** | 22 | 25 | 10 | 54 | 120 | 10 | *1 |
| **15** | 23.2 | 30 | 11 | 54 | 188 | 10 | *2 |
| **16** | 24.5 | 30 | 11 | 54 | 189 | 10 | *2 |
| **17** | 25.7 | 30 | 12 | 54 | 190 | 10 | *2 |
| **18** | 27 | 30 | 12 | 54 | 190 | 10 | *2 |
| **19** | 28.2 | 30 | 12 | 54 | 190 | 10 | *2 |
| **21** | 30.7 | 30 | 12 | 54 | 191 | 10 | *2 |
| **22** | 32 | 30 | 12 | 54 | 192 | 10 | *2 |
| **23** | 33.2 | 30 | 12 | 54 | 196 | 10 | *2 |
| **24** | 34.5 | 30 | 12 | 54 | 200 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## NV14145-100 · -150 · -200

Extended Sockets
Vasos con Alargadera




| NV14145.100 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.5 | 25 | 10 | 100 | 161 | 10 | *1 |
| **12** | 18 | 25 | 12 | 100 | 178 | 10 | *1 |
| **13** | 19 | 25 | 13 | 100 | 175 | 10 | *1 |
| **14** | 21 | 25 | 14 | 100 | 181 | 10 | *1 |
| **15** | 22 | 25 | 15 | 100 | 185 | 10 | *1 |
| **16** | 24 | 25 | 15 | 100 | 193 | 10 | *1 |
| **17** | 25 | 25 | 15 | 100 | 201 | 10 | *1 |
| **18** | 26 | 25 | 15 | 100 | 211 | 10 | *1 |
| **19** | 28 | 25 | 15 | 100 | 221 | 10 | *1 |

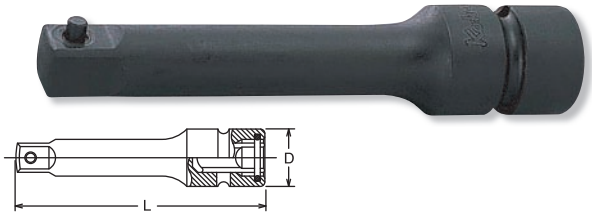
| NV14145.150 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.5 | 25 | 10 | 150 | 200 | 10 | *1 |
| **12** | 18 | 25 | 12 | 150 | 215 | 10 | *1 |
| **13** | 19 | 25 | 13 | 150 | 220 | 10 | *1 |
| **14** | 21 | 25 | 14 | 150 | 225 | 10 | *1 |
| **15** | 22 | 25 | 15 | 150 | 230 | 10 | *1 |
| **16** | 24 | 25 | 15 | 150 | 240 | 10 | *1 |
| **17** | 25 | 25 | 15 | 150 | 250 | 10 | *1 |
| **18** | 26 | 25 | 15 | 150 | 262 | 10 | *1 |
| **19** | 28 | 25 | 15 | 150 | 275 | 10 | *1 |

| NV14145.200 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **10** | 15.5 | 25 | 10 | 200 | 236 | 10 | *1 |
| **12** | 18 | 25 | 12 | 200 | 250 | 10 | *1 |
| **13** | 19 | 25 | 13 | 200 | 260 | 10 | *1 |
| **14** | 21 | 25 | 14 | 200 | 270 | 10 | *1 |
| **15** | 22 | 25 | 15 | 200 | 275 | 10 | *1 |
| **16** | 24 | 25 | 15 | 200 | 287 | 10 | *1 |
| **17** | 25 | 25 | 15 | 200 | 300 | 10 | *1 |
| **18** | 26 | 25 | 15 | 200 | 310 | 10 | *1 |
| **19** | 28 | 25 | 15 | 200 | 320 | 10 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
➡P232-233

## NV14760-75P · -125P · -175P · -250P

Extension Bars
Alargaderas



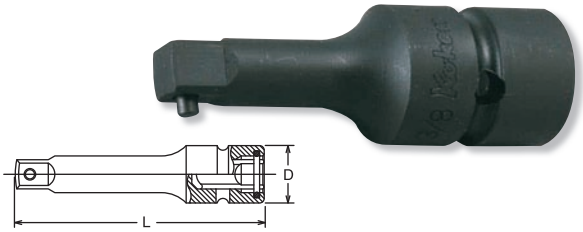

| NV14760 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| **75P** | 25 | 75 | 149 | 10 | *1 |
| **125P** | 25 | 125 | 230 | 10 | *1 |
| **175P** | 25 | 175 | 308 | 10 | *1 |
| **250P** | 25 | 250 | 422 | 10 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
➡P232-233

## NV14433A-75P · -100P · -150P

Adaptors
Adaptadores

No Warranty
Sin Garantía



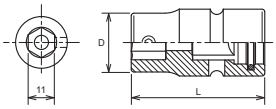

| NV14433A | (mm) | (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **75P** | 1/2" | 3/8" | 75 | 120 | 1 | *1 |
| **100P** | 1/2" | 3/8" | 100 | 145 | 1 | *1 |
| **150P** | 1/2" | 3/8" | 150 | 187 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
➡P232-233

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

## NV14105

Bit Holder
Porta Punta



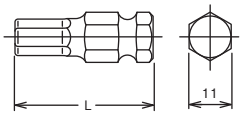

| NV14105 | D (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|
| | 22 | 43 | 115 | 5 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

Replacement Screw : M5x6, ⬢2.5mm

## 107-11

Bits for Inhex Screws
Puntas para Tornillos de Seis Lados en el Interior (Inhex)



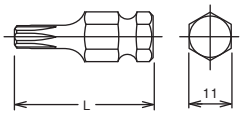
| 107-11 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3** | 35 | 15 | 10 |
| **4** | 35 | 16 | 10 |
| **5** | 35 | 16 | 10 |
| **6** | 35 | 18 | 10 |
| **7** | 35 | 19 | 10 |
| **8** | 35 | 20 | 10 |
| **10** | 35 | 26 | 10 |
| **11** | 35 | 28 | 10 |
| **12** | 35 | 31 | 10 |
| **14** | 35 | 38 | 10 |
| **16** | 35 | 47 | 10 |
| **17** | 35 | 50 | 10 |
| **18** | 35 | 53 | 10 |
| **19** | 35 | 56 | 10 |

| 107-11 (inch) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **3/16** | 35 | 15 | 10 |
| **7/32** | 35 | 16 | 10 |
| **1/4** | 35 | 18 | 10 |
| **5/16** | 35 | 20 | 10 |
| **3/8** | 35 | 26 | 10 |
| **7/16** | 35 | 28 | 10 |
| **1/2** | 35 | 38 | 10 |
| **5/8** | 35 | 47 | 10 |
| **3/4** | 35 | 56 | 10 |

| 107-11(L80) (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **4** | 80 | 54 | 10 |
| **5** | 80 | 54 | 10 |
| **6** | 80 | 56 | 10 |
| **7** | 80 | 57 | 10 |
| **8** | 80 | 59 | 10 |
| **10** | 80 | 64 | 10 |
| **11** | 80 | 66 | 10 |
| **12** | 80 | 76 | 10 |
| **14** | 80 | 98 | 10 |

## 107-11 (T)

TORX® Bits
Puntas TORX®

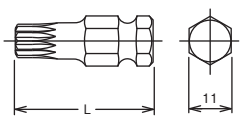


| 107-11 (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T25** | 35 | 18 | 10 |
| **T30** | 35 | 18 | 10 |
| **T40** | 35 | 20 | 10 |
| **T45** | 35 | 22 | 10 |
| **T50** | 35 | 26 | 10 |
| **T55** | 35 | 31 | 10 |
| **T60** | 35 | 38 | 10 |

| 107-11(L80) (T) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **T30** | 80 | 54 | 10 |
| **T40** | 80 | 54 | 10 |
| **T45** | 80 | 56 | 10 |
| **T50** | 80 | 57 | 10 |
| **T55** | 80 | 66 | 10 |
| **T60** | 80 | 76 | 10 |

## 107-11 (XZN)

Bits XZN
Puntas XZN



| 107-11 (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 35 | 18 | 10 |
| **M 5** | 35 | 20 | 10 |
| **M 6** | 35 | 22 | 10 |
| **M 8** | 35 | 26 | 10 |
| **M10** | 35 | 31 | 10 |
| **M12** | 35 | 38 | 10 |

| 107-11(L80) (XZN) | L (mm) | (g) | (pcs.) |
|---|---|---|---|
| **M 4** | 80 | 54 | 10 |
| **M 5** | 80 | 54 | 10 |
| **M 6** | 80 | 56 | 10 |
| **M 8** | 80 | 57 | 10 |
| **M10** | 80 | 66 | 10 |
| **M12** | 80 | 76 | 10 |
| **M14** | 80 | 80 | 10 |



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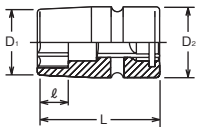
## NV16400

6-point Sockets
Vasos Hexagonales

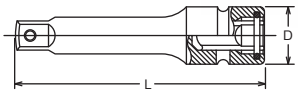
| NV16400 (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|
| **17** | 30 | 44 | 12 | 65 | 448 | 5 | *1 |
| **18** | 31.3 | 44 | 13 | 65 | 470 | 5 | *1 |
| **19** | 32.5 | 44 | 13 | 65 | 455 | 5 | *1 |
| **21** | 35 | 44 | 15 | 65 | 472 | 5 | *1 |
| **22** | 36.3 | 44 | 16 | 65 | 471 | 5 | *1 |
| **23** | 37.5 | 44 | 16 | 65 | 471 | 5 | *1 |
| **24** | 38.8 | 44 | 16 | 65 | 467 | 5 | *1 |
| **26** | 41.3 | 44 | 16 | 65 | 477 | 5 | *1 |
| **27** | 42.5 | 44 | 16 | 65 | 473 | 5 | *1 |
| **28** | 43.8 | 44 | 16 | 68 | 483 | 5 | *1 |
| **29** | 45 | 44 | 18 | 68 | 464 | 5 | *1 |
| **30** | 46.3 | 44 | 18 | 68 | 492 | 5 | *1 |
| **32** | 48.8 | 44 | 19 | 70 | 514 | 5 | *1 |
| **33** | 50 | 44 | 20 | 70 | 564 | 5 | *1 |
| **34** | 51.3 | 44 | 20 | 70 | 588 | 5 | *1 |
| **35** | 52.5 | 44 | 20 | 70 | 593 | 5 | *1 |
| **36** | 53.8 | 44 | 20 | 70 | 598 | 5 | *1 |
| **38** | 56.3 | 44 | 20 | 72 | 670 | 2 | *1 |
| **41** | 60 | 44 | 22 | 72 | 687 | 2 | *1 |
| **46** | 66.3 | 44 | 23 | 77 | 906 | 2 | *1 |
| **50** | 69 | 44 | 23 | 77 | 1116 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233




## NV16760-175 · -250 · -330

Extension Bars
Alargaderas

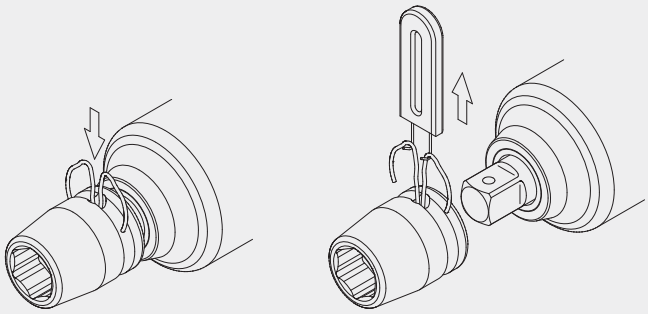


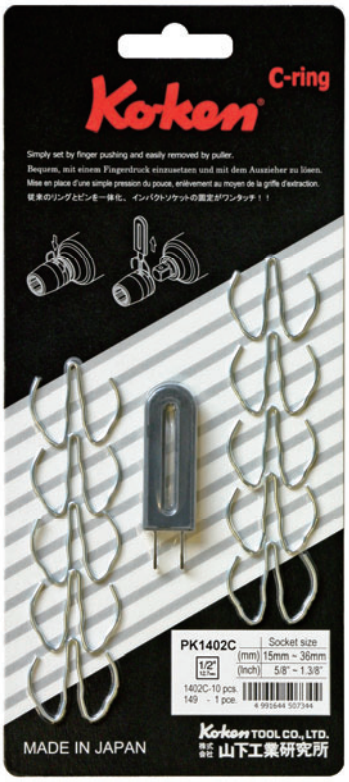

| NV16760 | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|
| **175** | 44 | 175 | 870 | 1 | *1 |
| **250** | 44 | 250 | 1160 | 1 | *1 |
| **330** | 44 | 330 | 1460 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

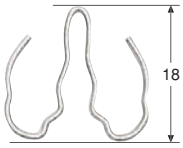
Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.



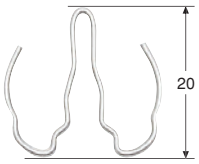



## C-Ring

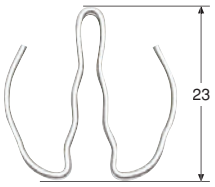
| No. | ◻ | Opening (mm) | (pcs.) |
|---|---|---|---|
| 1301C | 3/8" | ≦12 | 100 |
| 1302C | 3/8" | >12 | 100 |
| 1401C | 1/2" | ≦14 | 100 |
| 1402C | 1/2" | >14 | 100 |
| 1600C | 3/4" | ≦46 | 100 |
| 1801C | 1" | ≦70 | 100 |
| 1802C | 1" | >70 | 50 |
| 1700C | 1-1/2" | ≦90 | 50 |



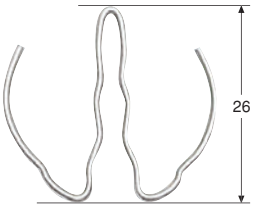
1301C



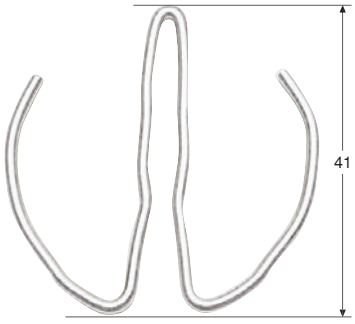
1302C



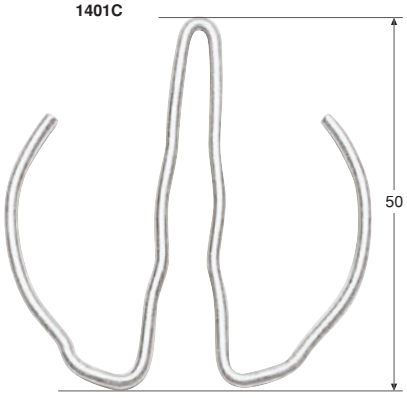
1401C



1402C



1600C



1801C

## C-Ring Set

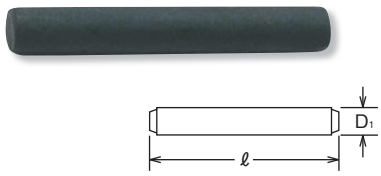
| Set No. | ◻ | C-Ring 10pcs. | Puller 1pce. |
|---|---|---|---|
| PK1301C | 3/8" | 1301C | 149 |
| PK1302C | 3/8" | 1302C | 149 |
| PK1401C | 1/2" | 1401C | 149 |
| PK1402C | 1/2" | 1402C | 149 |
| PK1600C | 3/4" | 1600C | 152 |
| PK1801C | 1" | 1801C | 152 |

## Puller

| No. | ◻ | | (pcs.) |
|---|---|---|---|
| 149 | 3/8" | 1/2" | 10 |
| 152 | 3/4" | 1" | 10 |

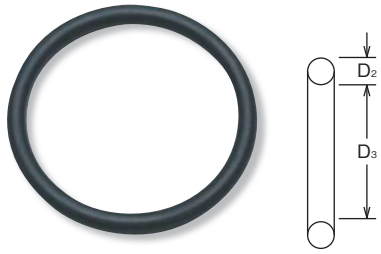
149

152




## Pin

| No. | ⍁ | Opening (mm) | D1 (mm) | ℓ (mm) | (pcs.) |
|---|---|---|---|---|---|
| 1200A | 1/4" | | 1.5 | 10.2 | 100 |
| 1301A | 3/8" | ≦ 12 | 2.5 | 14.5 | 100 |
| 1302A | 3/8" | > 12 | 2.5 | 17.5 | 100 |
| 1401A | 1/2" | ≦ 14 | 3.5 | 20 | 100 |
| 1402A | 1/2" | > 14 | 3.5 | 25 | 100 |
| 1500A | 5/8" | | 4 | 30 | 100 |
| 1601A | 3/4" | ≦ 46 | 5.5 | 35 | 100 |
| 1602A | 3/4" | > 46 | 5.5 | 45 | 100 |
| 1801A | 1" | ≦ 70 | 6 | 45 | 100 |
| 1802A | 1" | > 70 | 6 | 75 | 50 |
| 1701A | 1-1/2" | ≦ 90 | 7 | 75 | 50 |
| 1702A | 1-1/2" | > 90 | 7 | 110 | 50 |
| 1901A | 2-1/2" | ≦115 | 9 | 110 | 50 |
| 1902A | 2-1/2" | >115 | 9 | 155 | 50 |
| 2001A | 3-1/2" | ≦140 | 13 | 155 | 1 |
| 2002A | 3-1/2" | >140 | 13 | 180 | 1 |




## O-Ring

| No. | ⍁ | Opening (mm) | D2 (mm) | D3 (mm) | (pcs.) |
|---|---|---|---|---|---|
| 1200B | 1/4" | | 2.5 | 9 | 100 |
| 1301B | 3/8" | ≦ 12 | 3.5 | 13 | 100 |
| 1302B | 3/8" | > 12 | 3.5 | 16 | 100 |
| 1401B | 1/2" | ≦ 14 | 4 | 19 | 100 |
| 1402B | 1/2" | > 14 | 4 | 24 | 100 |
| 1500B | 5/8" | | 4.5 | 28 | 100 |
| 1601B | 3/4" | ≦ 46 | 5 | 36 | 100 |
| 1602B | 3/4" | > 46 | 5 | 45 | 100 |
| 1801B | 1" | ≦ 70 | 7 | 45 | 100 |
| 1802B | 1" | > 70 | 7 | 75 | 50 |
| 1701B | 1-1/2" | ≦ 90 | 10 | 75 | 50 |
| 1702B | 1-1/2" | > 90 | 10 | 114 | 50 |
| 1901B | 2-1/2" | ≦115 | 10.5 | 114 | 50 |
| 1902B | 2-1/2" | >115 | 10.5 | 158 | 50 |
| 2001B | 3-1/2" | ≦140 | 15 | 158 | 1 |
| 2002B | 3-1/2" | >140 | 15 | 183 | 1 |

| IMPACT Standard Sockets | Sq.Dr. | 1/4" | 3/8" | | 1/2" | | 3/4" | | 1" | | 1-1/2" | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C-Ring | | 1301C | 1302C | 1401C | 1402C | 1600C | 1801C | 1801C | 1802C | 1700C | |
| size | O-Ring/Pin | 1200A/B | 1301A/B | 1302A/B | 1401A/B | 1402A/B | 1601A/B | 1602A/B | 1801A/B | 1802A/B | 1701A/B | 1702A/B |
| 4 | | ● | | | | | | | | | | |
| 4.5 | 3/16 | ● | | | | | | | | | | |
| 5 | | ● | | | | | | | | | | |
| 5.5 | | ● | | | | | | | | | | |
| 6 | 1/4 | ● | ● | | | | | | | | | |
| 7 | 9/32 | ● | ● | | | | | | | | | |
| 8 | 5/16 | ● | ● | | ● | | | | | | | |
| 9 | 11/32 | ● | ● | | ● | | | | | | | |
| 10 | 3/8 | ● | ● | | ● | | | | | | | |
| 11 | 7/16 | ● | ● | | ● | | | | | | | |
| 12 | | ● | ● | | ● | | | | | | | |
| 13 | 1/2 | ● | | ● | ● | | | | | | | |
| 14 | 9/16 | ● | | ● | ● | | | | | | | |
| 15 | | | | ● | | ● | | | | | | |
| 16 | 5/8 | | | ● | | ● | | | | | | |
| 17 | 11/16 | | | ● | | ● | ● | | ● | | | |
| 18 | | | | ● | | ● | ● | | ● | | | |
| 19 | 3/4 | | | ● | | ● | ● | | ● | | | |
| 20 | | | | ● | | ● | ● | | ● | | | |
| 21 | 13/16 | | | ● | | ● | ● | | ● | | | |
| 22 | 7/8 | | | ● | | ● | ● | | ● | | | |
| 23 | | | | ● | | ● | ● | | ● | | | |
| 24 | 15/16 | | | ● | | ● | ● | | ● | | | |
| 25 | 1 | | | | | ● | ● | | ● | | | |
| 26 | | | | | | ● | ● | | ● | | | |
| 27 | 1- 1/16 | | | | | ● | ● | | ● | | | |
| 28 | | | | | | ● | ● | | ● | | | |
| 29 | 1- 1/8 | | | | | ● | ● | | ● | | | |
| 30 | 1- 3/16 | | | | | ● | ● | | ● | | | |
| 31 | | | | | | ● | ● | | ● | | | |
| 32 | 1- 1/4 | | | | | ● | ● | | ● | | | |
| 33 | 1- 5/16 | | | | | ● | ● | | ● | | | |
| 34 | 1- 3/8 | | | | | ● | ● | | ● | | | |
| 36 | | | | | | ● | ● | | ● | | | |
| 37 | 1- 7/16 | | | | | | ● | | ● | | | |
| 38 | 1- 1/2 | | | | | | ● | | ● | | | |
| 39 | | | | | | | ● | | ● | | | |
| 40 | 1- 9/16 | | | | | | ● | | ● | | | |
| 41 | 1- 5/8 | | | | | | ● | | ● | | ● | |
| 42 | | | | | | | ● | | ● | | ● | |
| 43 | 1- 11/16 | | | | | | ● | | ● | | ● | |
| 44 | | | | | | | ● | | ● | | ● | |
| 45 | 1- 3/4 | | | | | | ● | | ● | | ● | |
| 46 | 1- 13/16 | | | | | | ● | | ● | | ● | |
| 47 | | | | | | | | ● | ● | | ● | |
| 48 | 1- 7/8 | | | | | | | ● | ● | | ● | |
| | 1- 15/16 | | | | | | | ● | ● | | ● | |
| 50 | | | | | | | | ● | ● | | ● | |
| | 2 | | | | | | | ● | ● | | ● | |
| 52 | 2- 1/16 | | | | | | | ● | ● | | ● | |
| 54 | 2- 1/8 | | | | | | | ● | ● | | ● | |
| 55 | 2- 3/16 | | | | | | | ● | ● | | ● | |
| 56 | | | | | | | | ● | ● | | ● | |
| | 2- 1/4 | | | | | | | ● | ● | | ● | |
| 58 | 2- 5/16 | | | | | | | ● | ● | | ● | |
| 60 | 2- 3/8 | | | | | | | ● | ● | | ● | |
| 62 | 2- 7/16 | | | | | | | | ● | | ● | |
| 63 | | | | | | | | | ● | | ● | |
| | 2- 1/2 | | | | | | | | ● | | ● | |
| 65 | 2- 9/16 | | | | | | | | ● | | ● | |
| 67 | 2- 5/8 | | | | | | | | ● | | ● | |
| 68 | 2- 11/16 | | | | | | | | ● | | ● | |
| 70 | 2- 3/4 | | | | | | | | ● | | ● | |
| | 2- 13/16 | | | | | | | | | ● | ● | |
| | 2- 7/8 | | | | | | | | | ● | ● | |
| 75 | 2- 15/16 | | | | | | | | | ● | ● | |
| | 3 | | | | | | | | | ● | ● | |
| | 3- 1/16 | | | | | | | | | ● | ● | |
| 80 | 3- 1/8 | | | | | | | | | ● | ● | |
| | 3- 1/4 | | | | | | | | | ● | ● | |
| 85 | | | | | | | | | | ● | ● | |
| | 3- 3/8 | | | | | | | | | ● | ● | |
| 90 | 3- 1/2 | | | | | | | | | ● | ● | |
| | 3- 5/8 | | | | | | | | | | ● | |
| 95 | 3- 3/4 | | | | | | | | | | | ● |
| 100 | 3- 7/8 | | | | | | | | | | | ● |
| 105 | 4 | | | | | | | | | | | ● |
| | 4- 1/8 | | | | | | | | | | | ● |
| 110 | 4- 1/4 | | | | | | | | | | | ● |
| 115 | 4- 1/2 | | | | | | | | | | | ● |
| 120 | 4- 5/8 | | | | | | | | | | | ● |
| | 4- 3/4 | | | | | | | | | | | ● |
| 125 | 4- 7/8 | | | | | | | | | | | ● |
| 130 | 5 | | | | | | | | | | | ● |
| 135 | 5- 1/4 | | | | | | | | | | | ● |
| 140 | | | | | | | | | | | | ● |
| 150 | | | | | | | | | | | | ● |
| | 6 | | | | | | | | | | | ● |
| | 6- 1/2 | | | | | | | | | | | ● |

# INDUSTRIAL Sockets

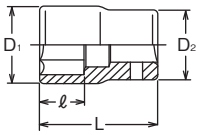
1/4”

3/8”

1/2”

## 22400M

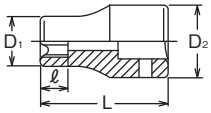
6-point Sockets
Vasos Hexagonales




| 22400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **6** | 9.2 | 11.2 | 5.5 | 22 | 9 | 10 |
| **7** | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| **8** | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| **10** | 14.3 | 12.9 | 7.7 | 22 | 15 | 10 |
| **12** | 16.8 | 15.5 | 9.3 | 22 | 23 | 10 |
| **13** | 18 | 16.4 | 9.8 | 22 | 23 | 10 |

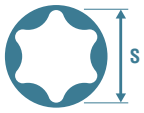
## 22425

TORX® Sockets
Vasos TORX®




| 22425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 4** | 5.4 | 11.2 | 4.6 | 22 | 7 | 10 |
| **E 5** | 6.7 | 11.2 | 5.2 | 22 | 8 | 10 |
| **E 6** | 7.7 | 11.2 | 5.4 | 22 | 8 | 10 |
| **E 7** | 8.3 | 11.2 | 6.6 | 22 | 9 | 10 |
| **E 8** | 9.6 | 11.2 | 7 | 22 | 9 | 10 |
| **E10** | 11.3 | 12 | 8.2 | 22 | 10 | 10 |

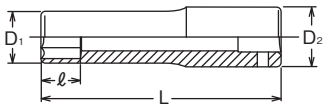
TORX®
(E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

## 22300M · 22300A

6-point Sockets, deep
Vasos Hexagonales, largos




| 22300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7** | 10.3 | 11.2 | 8 | 50 | 24 | 10 |
| **8** | 11.2 | 11.7 | 9 | 50 | 28 | 10 |
| **10** | 14.3 | 12.9 | 11 | 50 | 33 | 10 |
| **12** | 16.8 | 15.5 | 13 | 50 | 50 | 10 |
| **13** | 18 | 16.4 | 14 | 50 | 50 | 10 |

| 22300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **1/4** | 9.6 | 11.2 | 7 | 50 | 24 | 10 |
| **5/16** | 11.2 | 11.7 | 9 | 50 | 28 | 10 |
| **3/8** | 13.7 | 12.5 | 11 | 50 | 33 | 10 |

INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.



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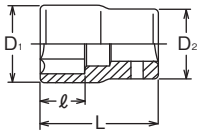
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 23400M · 23400A

6-point Sockets
Vasos Hexagonales

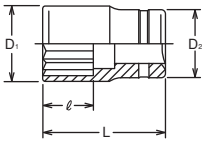


| | 23400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **6** | 9.9 | 17.3 | 6 | 26 | 20 | 10 |
| New | **7** | 10.8 | 17.3 | 6.5 | 26 | 20 | 10 |
| | **8** | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| | **10** | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| | **11** | 15.8 | 17.3 | 9.3 | 26 | 25 | 10 |
| | **12** | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| | **13** | 18 | 17 | 9.4 | 26 | 24 | 10 |
| | **14** | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| | **15** | 21 | 19.5 | 11.5 | 28 | 39 | 10 |
| | **16** | 22 | 20 | 12 | 28 | 42 | 10 |
| | **17** | 23.5 | 21.5 | 12.5 | 29 | 51 | 10 |
| | **18** | 24.6 | 22.5 | 13 | 30 | 51 | 10 |
| | **19** | 26 | 23.5 | 13.5 | 30 | 53 | 10 |
| New | **21** | 28 | 26 | 14.5 | 32 | 77 | 10 |

| 23400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5/16** | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| **3/8** | 13.9 | 17.3 | 8 | 26 | 22 | 10 |
| **7/16** | 15.8 | 17.3 | 9.3 | 26 | 25 | 10 |
| **1/2** | 18 | 17 | 9.4 | 26 | 24 | 10 |
| **9/16** | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| **11/16** | 24.6 | 22.5 | 13 | 30 | 51 | 10 |
| **3/4** | 26 | 23.5 | 13.5 | 30 | 63 | 10 |

## 23405M

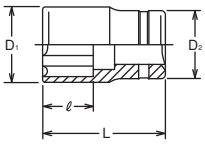
12-point Sockets
Vasos Bihexagonales



| | 23405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **8** | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| New | **10** | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| New | **12** | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| New | **14** | 19.5 | 18.5 | 11 | 27 | 31 | 10 |

## 23410M

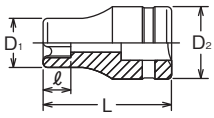
Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo )



| | 23410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **8** | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| New | **10** | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| New | **12** | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| New | **13** | 18 | 17 | 9.4 | 26 | 24 | 10 |
| New | **14** | 19.5 | 18.5 | 11 | 27 | 31 | 10 |
| New | **15** | 21 | 19.5 | 11.5 | 28 | 39 | 10 |
| New | **16** | 22 | 20 | 12 | 28 | 42 | 10 |
| New | **17** | 23.5 | 21.5 | 12.5 | 29 | 51 | 10 |
| New | **18** | 24.6 | 22.5 | 13 | 30 | 51 | 10 |
| New | **19** | 26 | 23.5 | 13.5 | 30 | 53 | 10 |

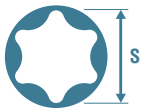
## 23425

TORX® Sockets
Vasos TORX®



| 23425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 5** | 7 | 17.3 | 5.2 | 26 | 20 | 10 |
| **E 6** | 8.3 | 17.3 | 5.4 | 26 | 21 | 10 |
| **E 7** | 8.9 | 17.3 | 6.6 | 26 | 22 | 10 |
| **E 8** | 9.9 | 17.3 | 7 | 26 | 23 | 10 |
| **E10** | 12 | 17.3 | 8.2 | 26 | 24 | 10 |
| **E11** | 13.3 | 17.3 | 8.7 | 26 | 25 | 10 |
| **E12** | 14.5 | 17.3 | 9.3 | 26 | 26 | 10 |
| **E14** | 15.8 | 17.3 | 10.6 | 26 | 27 | 10 |
| **E16** | 18 | 17 | 11.8 | 26 | 27 | 10 |

### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |

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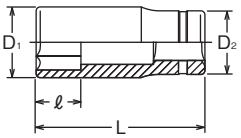
## 23300M · 23300A

6-point Sockets, deep
Vasos Hexagonales, largos

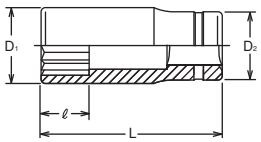



| 23300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 12 | 17.4 | 9 | 55 | 45 | 10 |
| **10** | 14.5 | 17.4 | 11 | 55 | 52 | 10 |
| **11** | 16 | 17.2 | 12 | 55 | 55 | 10 |
| **12** | 16.8 | 17.2 | 13 | 55 | 58 | 10 |
| **13** | 18 | 17 | 14 | 55 | 57 | 10 |
| **14** | 20 | 18 | 16 | 55 | 68 | 10 |
| **15** | 21 | 20 | 16 | 55 | 78 | 10 |
| **16** | 22 | 20 | 17 | 55 | 79 | 10 |
| **17** | 23.5 | 22 | 18 | 55 | 96 | 10 |
| **18** | 24.5 | 23 | 19 | 55 | 96 | 10 |
| **19** | 25 | 24 | 20 | 55 | 102 | 10 |

| 23300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **5/16** | 12 | 17.4 | 9 | 55 | 45 | 10 |
| **3/8** | 14 | 17.4 | 11 | 55 | 51 | 10 |
| **7/16** | 16 | 17.2 | 12 | 55 | 55 | 10 |
| **1/2** | 18 | 17 | 14 | 55 | 57 | 10 |
| **9/16** | 20 | 18 | 16 | 55 | 68 | 10 |
| **11/16** | 23.5 | 22 | 18 | 55 | 96 | 10 |
| **3/4** | 25 | 24 | 20 | 55 | 102 | 10 |

## 23305M

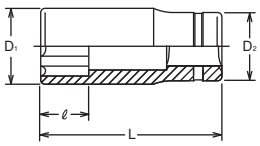
12-point Deep Sockets
Vasos Bihexagonales Largos




| | 23305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **8** | 12 | 17.4 | 9 | 55 | 45 | 10 |
| New | **10** | 14.5 | 17.4 | 11 | 55 | 52 | 10 |
| New | **12** | 16.8 | 17.2 | 13 | 55 | 58 | 10 |
| New | **14** | 20 | 18 | 16 | 55 | 68 | 10 |

## 23310M

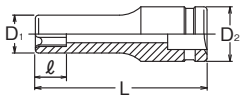
Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos




| | 23310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **8** | 12 | 17.4 | 9 | 55 | 45 | 10 |
| New | **10** | 14.5 | 17.4 | 11 | 55 | 52 | 10 |
| New | **12** | 16.8 | 17.2 | 13 | 55 | 58 | 10 |
| New | **13** | 18 | 17 | 14 | 55 | 57 | 10 |
| New | **14** | 20 | 18 | 16 | 55 | 68 | 10 |
| New | **15** | 21 | 20 | 16 | 55 | 80 | 10 |
| New | **17** | 23.5 | 22 | 18 | 55 | 96 | 10 |

## 23325

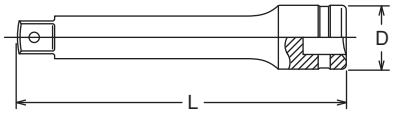
TORX® Deep Sockets
Vasos TORX®, largos




| 23325 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E 5** | 6.9 | 17.4 | 5.2 | 55 | 50 | 10 |
| **E 6** | 7.9 | 17.4 | 5.4 | 55 | 52 | 10 |
| **E 7** | 8.9 | 17.4 | 6.6 | 55 | 55 | 10 |
| **E 8** | 9.9 | 17.4 | 7 | 55 | 58 | 10 |
| **E10** | 11.8 | 17.2 | 8.2 | 55 | 60 | 10 |
| **E12** | 14.5 | 17.2 | 9.3 | 55 | 68 | 10 |
| **E14** | 15.7 | 17.2 | 10.6 | 55 | 77 | 10 |
| **E16** | 18 | 17 | 11.8 | 55 | 80 | 10 |

## 23760-75P · -125P · -250P

Extension Bars
Alargaderas




| | 23760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **75P** | 18 | 75 | 70 | 10 |
| New | **125P** | 18 | 125 | 110 | 10 |
| New | **250P** | 18 | 250 | 200 | 5 |



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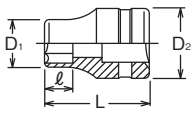
## 24400M · 24400A

6-point Sockets
Vasos Hexagonales

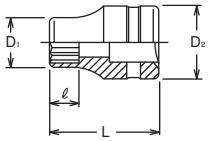


| 24400M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **10** | 15.3 | 21 | 9 | 37 | 45 | 10 |
| **11** | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| **12** | 17.8 | 21 | 10 | 37 | 47 | 10 |
| **13** | 19 | 22 | 10.5 | 37 | 53 | 10 |
| **14** | 20.3 | 22 | 11 | 37 | 56 | 10 |
| **15** | 21.5 | 22 | 11.5 | 37 | 52 | 10 |
| **16** | 22.8 | 22 | 12 | 37 | 62 | 10 |
| **17** | 24.1 | 23 | 12.5 | 37 | 69 | 10 |
| **18** | 25.1 | 24 | 13 | 37 | 74 | 10 |
| **19** | 26.6 | 25 | 14 | 38 | 89 | 10 |
| **20** | 27.9 | 26 | 15 | 38 | 92 | 10 |
| **21** | 29.1 | 27 | 15.5 | 38 | 102 | 10 |
| **22** | 30.1 | 28 | 16 | 40 | 113 | 10 |
| **23** | 31.5 | 29 | 16.5 | 40 | 128 | 10 |
| **24** | 32.9 | 30 | 17 | 42 | 140 | 5 |
| **26** | 35 | 32 | 19 | 42 | 165 | 5 |
| **27** | 36.5 | 33 | 19.5 | 43 | 196 | 5 |
| **29** | 39 | 35 | 20.5 | 43 | 190 | 5 |
| **30** | 40 | 36 | 22 | 46 | 222 | 5 |
| **32** | 42.8 | 38 | 23 | 46 | 250 | 5 |

| 24400A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **7/16** | 16.5 | 21 | 9.5 | 37 | 46 | 10 |
| **1/2** | 19 | 22 | 10.5 | 37 | 53 | 10 |
| **9/16** | 20.3 | 22 | 11 | 37 | 56 | 10 |
| **5/8** | 22.9 | 22 | 12 | 37 | 62 | 10 |
| **3/4** | 26.6 | 25 | 14 | 38 | 89 | 10 |
| **15/16** | 32.9 | 30 | 17 | 42 | 140 | 10 |

## 24405M

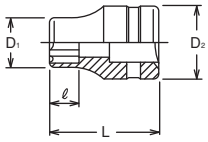
12-point Sockets
Vasos Bihexagonales



| | 24405M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **10** | 15.3 | 21 | 9 | 37 | 45 | 10 |
| New | **12** | 17.8 | 21 | 10 | 37 | 47 | 10 |
| New | **14** | 20.3 | 22 | 11 | 37 | 56 | 10 |
| New | **17** | 24.1 | 23 | 12.5 | 37 | 69 | 10 |
| New | **19** | 26.6 | 25 | 14 | 38 | 89 | 10 |

## 24410M

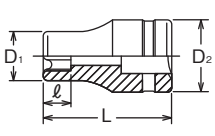
Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo )



| | 24410M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **10** | 15.3 | 21 | 9 | 37 | 45 | 10 |
| New | **12** | 17.8 | 21 | 10 | 37 | 47 | 10 |
| New | **13** | 19 | 22 | 10.5 | 37 | 53 | 10 |
| New | **14** | 20.3 | 22 | 11 | 37 | 56 | 10 |
| New | **15** | 21.5 | 22 | 11.5 | 37 | 52 | 10 |
| New | **16** | 22.8 | 22 | 12 | 37 | 62 | 10 |
| New | **17** | 24.1 | 23 | 12.5 | 37 | 69 | 10 |
| New | **18** | 25.1 | 24 | 13 | 37 | 74 | 10 |
| New | **19** | 26.6 | 25 | 14 | 38 | 89 | 10 |
| New | **21** | 29.1 | 27 | 15.5 | 38 | 102 | 10 |
| New | **22** | 30.1 | 28 | 16 | 40 | 113 | 10 |
| New | **24** | 32.9 | 30 | 17 | 42 | 140 | 10 |

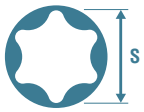
## 24425

TORX® Sockets
Vasos TORX®



| 24425 (E) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **E10** | 13.2 | 21 | 8.2 | 36 | 68 | 10 |
| **E12** | 14.6 | 21 | 9.3 | 37 | 70 | 10 |
| **E14** | 16.5 | 21 | 10.6 | 37 | 75 | 10 |
| **E16** | 19 | 21.9 | 11.8 | 37 | 80 | 10 |
| **E18** | 20.3 | 21.9 | 13 | 37 | 83 | 10 |
| **E20** | 22.9 | 22 | 14.4 | 37 | 121 | 10 |

### TORX® (E)




| E | | E4 | E5 | E6 | E7 | E8 | E10 | E11 | E12 | E14 | E16 | E18 | E20 | E22 | E24 | E26 | E28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | (ref. mm) | 3.83 | 4.72 | 5.69 | 6.17 | 7.47 | 9.37 | 10.03 | 11.12 | 12.85 | 14.71 | 16.64 | 18.41 | 20.24 | 22.10 | 23.85 | 25.65 |



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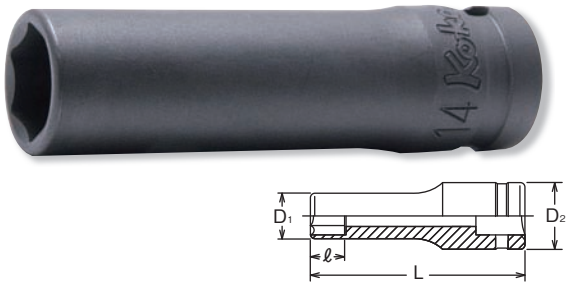
## 24300M · 24300A

6-point Sockets, deep
Vasos Hexagonales, largos





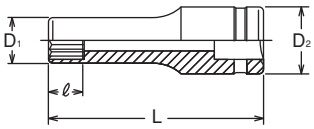


| | 24300M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| | **10** | 15.3 | 21 | 11 | 77 | 91 | 10 |
| | **11** | 16.5 | 21 | 12 | 77 | 95 | 10 |
| | **12** | 17.8 | 21 | 13 | 77 | 99 | 10 |
| | **13** | 19 | 21.8 | 14 | 77 | 107 | 10 |
| | **14** | 20.3 | 21.8 | 16 | 77 | 118 | 10 |
| | **15** | 21.5 | 21.8 | 16 | 77 | 123 | 10 |
| | **16** | 22.8 | 22 | 17 | 77 | 141 | 10 |
| | **17** | 24 | 23 | 18 | 77 | 150 | 10 |
| | **18** | 25 | 24 | 19 | 77 | 164 | 10 |
| | **19** | 26.5 | 25 | 20 | 77 | 177 | 10 |
| | **20** | 27.8 | 26 | 21 | 77 | 178 | 10 |
| | **21** | 29 | 27 | 23 | 77 | 187 | 10 |
| | **22** | 30 | 28 | 27 | 77 | 202 | 10 |
| | **24** | 32.8 | 30 | 27 | 77 | 252 | 10 |
| New | **27** | 36.5 | 33 | 28 | 77 | 303 | 10 |
| New | **30** | 40 | 36 | 34 | 77 | 342 | 10 |
| New | **32** | 42.8 | 38 | 34 | 77 | 405 | 10 |

| | 24300A (inch) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| | **7/16** | 16.5 | 21 | 12 | 77 | 95 | 10 |
| | **1/2** | 19 | 21.8 | 14 | 77 | 107 | 10 |
| | **9/16** | 20.3 | 21.8 | 15 | 77 | 118 | 10 |
| | **5/8** | 22.8 | 22 | 17 | 77 | 141 | 10 |
| | **21/32** | 24 | 23 | 18 | 77 | 150 | 10 |
| | **11/16** | 25 | 24 | 19 | 77 | 164 | 10 |
| | **3/4** | 26.5 | 25 | 20 | 77 | 177 | 10 |
| | **13/16** | 29 | 27 | 23 | 77 | 187 | 10 |
| | **15/16** | 32.8 | 30 | 27 | 77 | 252 | 10 |

## 24305M

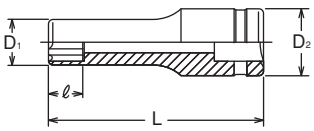
12-point Deep Sockets
Vasos Bihexagonales Largos




| | 24305M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **10** | 15.3 | 21 | 11 | 77 | 91 | 10 |
| New | **12** | 17.8 | 21 | 13 | 77 | 99 | 10 |
| New | **14** | 20.3 | 21.8 | 16 | 77 | 118 | 10 |
| New | **17** | 24 | 23 | 18 | 77 | 150 | 10 |
| New | **19** | 26.5 | 25 | 20 | 77 | 177 | 10 |

## 24310M

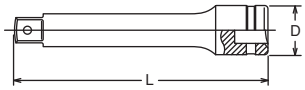
Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos




| | 24310M (mm) | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New | **10** | 15.3 | 21 | 11 | 77 | 91 | 10 |
| New | **12** | 17.8 | 21 | 13 | 77 | 99 | 10 |
| New | **13** | 19 | 21.8 | 14 | 77 | 107 | 10 |
| New | **14** | 20.3 | 21.8 | 16 | 77 | 118 | 10 |
| New | **15** | 21.5 | 21.8 | 16 | 77 | 123 | 10 |
| New | **16** | 22.8 | 22 | 17 | 77 | 141 | 10 |
| New | **17** | 24 | 23 | 18 | 77 | 150 | 10 |
| New | **18** | 25 | 24 | 19 | 77 | 160 | 10 |
| New | **19** | 26.5 | 25 | 20 | 77 | 177 | 10 |
| New | **21** | 29 | 27 | 23 | 77 | 187 | 10 |
| New | **22** | 30 | 28 | 27 | 77 | 202 | 10 |
| New | **24** | 32.8 | 30 | 27 | 77 | 250 | 10 |

## 24760-75P · -125P · -250P

Extension Bars
Alargaderas




| | 24760 | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New | **75P** | 24 | 75 | 140 | 10 |
| New | **125P** | 24 | 125 | 200 | 5 |
| New | **250P** | 24 | 250 | 370 | 5 |



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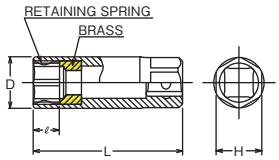
# Automotive Tools

## 3300C · 4300C

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

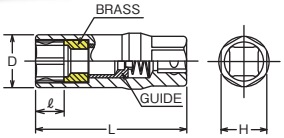



| 3300C (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **13** | 3/8" | 17.5 | 11 | 70 | 17 | 66 | 10 |
| **14** | | 19 | 11 | 70 | 17 | 82 | 10 |
| **16** | | 20.5 | 13 | 70 | 17 | 91 | 10 |
| **18** | | 23.9 | 12 | 70 | 21 | 140 | 10 |
| **20.8** | | 26.9 | 13.5 | 70 | 22 | 132 | 10 |

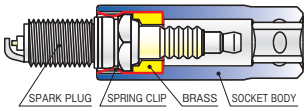
| 4300C (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **16** | 1/2" | 21 | 13 | 70 | 21 | 101 | 10 |
| **18** | | 23.9 | 12 | 70 | 21 | 132 | 10 |
| **20.8** | | 26.9 | 13.5 | 70 | 22 | 130 | 10 |

## 3300CB

Spark Plug Socket (BMW)
Llave de Bujía (BMW)



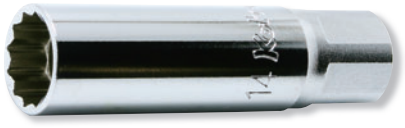

| 3300CB (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **16** | 3/8" | 22.8 | 13 | 65 | 19 | 118 | 10 |

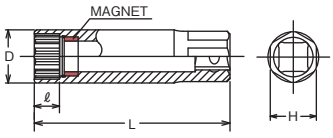



**SPARK PLUG SOCKETS with SPRING CLIP**
An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventig thread damage.
The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.

## 3305P

Spark Plug Socket with Magnet, 12-pt. opening
Llaves de bujía con Imán, Boca Bihex



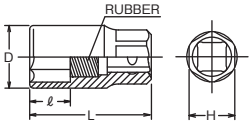



| 3305P (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 8 | 70 | 17 | 87 | 10 |

**Spark Plug Socket with Magnet, 12-pt. opening**

## 3300S · 4300S

Spark Plug Sockets with Rubber
Llaves de bujía con Goma

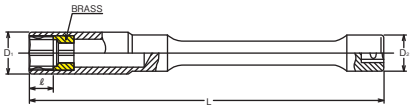



| 3300S (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **16** | 3/8" | 20.9 | 19 | 70 | 17 | 100 | 10 |
| **18** | | 23.9 | 21 | 70 | 21 | 145 | 10 |
| **20.8** | | 26.9 | 27 | 70 | 22 | 140 | 10 |

| 4300S (mm) | ⊡ | D (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **16** | 1/2" | 21 | 19 | 70 | 21 | 100 | 10 |
| **18** | | 23.9 | 21 | 70 | 21 | 130 | 10 |
| **20.8** | | 26.9 | 27 | 70 | 22 | 135 | 10 |

## 3300C-180 · -250

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

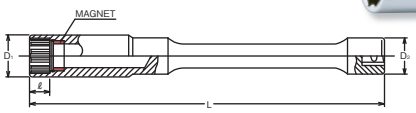


| 3300C.180 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 18 | 11 | 180 | 205 | 5 |
| **16** | | 20.5 | 18 | 13 | 180 | 220 | 5 |
| **20.8** | | 26.9 | 18 | 13.5 | 180 | 260 | 5 |

| 3300C.250 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 18 | 11 | 250 | 271 | 5 |
| **16** | | 20.5 | 18 | 13 | 250 | 290 | 5 |
| **20.8** | | 26.9 | 18 | 13.5 | 250 | 340 | 5 |

## 3305P-250

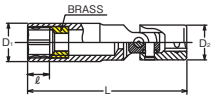
Spark Plug Socket with Magnet, 12pt. opening
Llave de bujía con Imán, Boca Bihex




| 3305P.250 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 18 | 8 | 250 | 250 | 5 |

## 3340C · 4340C

Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal

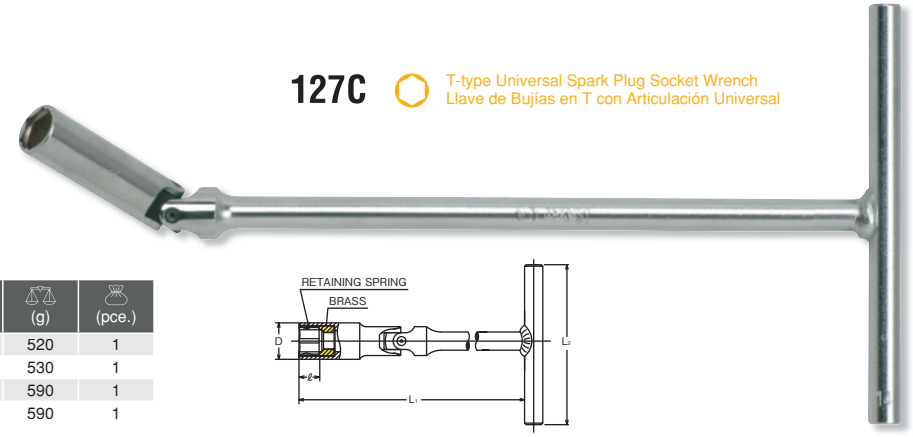



| 3340C (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 19 | 11 | 88 | 109 | 10 |
| **16** | | 21 | 19 | 13 | 88 | 122 | 10 |
| **20.8** | | 26.8 | 19 | 13.5 | 88 | 174 | 10 |

| 4340C (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| **16** | 1/2" | 21 | 25 | 13 | 100 | 220 | 10 |
| **20.8** | | 26.8 | 25 | 13.5 | 100 | 250 | 10 |

## 127C

T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal






| 127C.315 (mm) | D (mm) | ℓ (mm) | L1 (mm) | L2 (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| **14** | 19 | 11 | 315 | 150 | 520 | 1 |
| **16** | 21 | 13 | 315 | 150 | 530 | 1 |
| **18** | 23.9 | 12 | 315 | 150 | 590 | 1 |
| **20.8** | 26.8 | 13.5 | 315 | 150 | 590 | 1 |

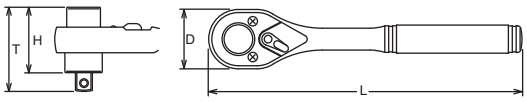
## 3751N

Torque Ratchet for Spark plugs
Llave de Bujías Dinamométrica

**TORQUE RATCHET**
The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted. Cylinder heads and spark plugs are protected by this mechanism.

## 3751J

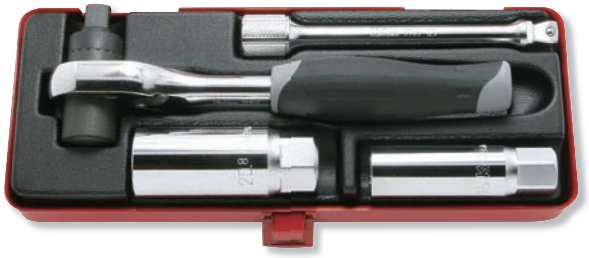
Torque Ratchet for Spark plugs
Llave de Bujías Dinamométrica




| | | D (mm) | T (mm) | H (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| 3751N-25 | 3/8" | 34 | 57 | 43 | 178 | 320 | 1 |
| 3751J-25 | | 34 | 57 | 43 | 178 | 320 | 1 |

## 3225A

Set for Torque Controlled Installation of Spark Plugs
Juego de Llaves de Bujías Dinamométricas

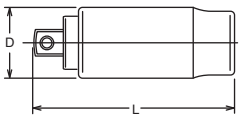


3225A — 4 Pieces Set/=960g
METAL CASE:W215×H80×T47mm

| Sockets | Accessories |
|---|---|
| **3300C** Spark Plug Sockets 16, 20.8 | **3751J-25**<br>**3763-125** |

## 3701-20Nm · -30Nm

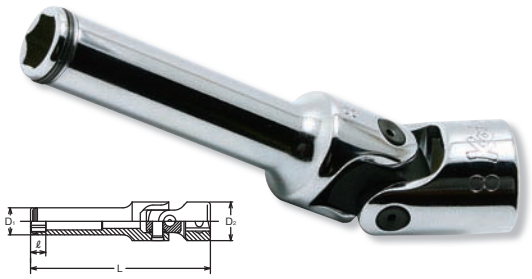
Torque Adaptors 20Nm / 30Nm
Adaptadores de Par 20Nm / 30Nm




| 3701 | | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| 20Nm | 3/8" | 25.5 | 75 | 178 | 1 |
| 30Nm | | 28 | 75 | 220 | 1 |

## 3341G-70 · -89

Universal Glow Plug Sockets with NUT GRIP®
Llaves de Calentador con Articulación Universal con Sujeta-Tuercas (Nut Grip®)





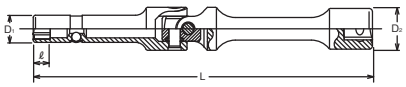

| 3341G.70 (mm) | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **10** | 3/8" | 14.5 | 19 | 6 | 70 | 76 | 10 |
| **11** | | 15.8 | 19 | 6 | 70 | 80 | 10 |
| **12** | | 17 | 19 | 6 | 70 | 85 | 10 |

| 3341G.89 (mm) | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **8** | 3/8" | 12 | 19 | 7.5 | 89 | 82 | 10 |
| **9** | | 13.3 | 19 | 7.5 | 89 | 87 | 10 |
| **10** | | 14.5 | 19 | 6 | 89 | 92 | 10 |

**GLOW PLUG SOCKETS, NUT GRIP®**
Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.
El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable

## 3342G-150

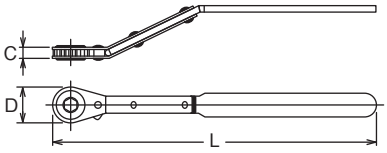
Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal




| 3342G.150 (mm) | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **8** | 3/8" | 12 | 18 | 7.5 | 150 | 137 | 10 |

## 144KM

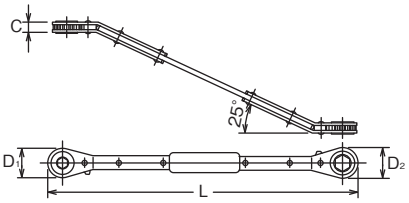
For Glow Plugs
Para Calentadores




| 144KM (mm) | L (mm) | D (mm) | C (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **8** | 200 | 22.7 | 7.5 | 95 | 1 |
| **12** | 200 | 22.7 | 7.5 | 102 | 1 |

## 148KM

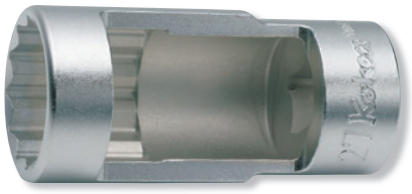
For Glow Plugs
Para Calentadores

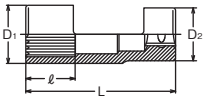



| 148KM (mm) | L (mm) | D1 (mm) | D2 (mm) | C (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|
| **8S×12** | 245 | 23.6 | 24.6 | 9 | 187 | 1 |

## SP4305M-77

Socket for Diesel engine injectors
Vaso para Inyectores de Motor Diesel



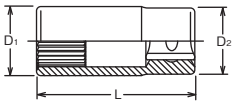



| SP4305M.77 (mm) | ⍁ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| 27 | 1/2" | 36.5 | 33 | 28 | 77 | 212 | 10 |

**SP4305M.77-27**
For fuel injection pump of BMW diesel cars.

## 4133

Socket for Diesel engine injectors
Vaso para Inyectores de Motor Diesel

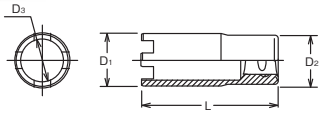



| | ⍁ | D1 (mm) | D2 (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|
| 4133 | 1/2" | 23.9 | 23 | 55 | 86 | 10 |

**4133**
For fuel injection pump of M.B diesel cars.

## 4122-72

Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

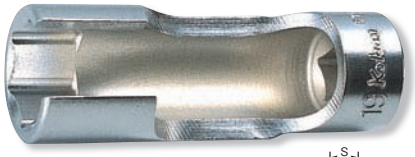


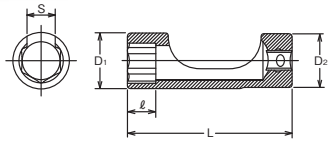

| 4122.72 (mm) | ⍁ | D1 (mm) | D2 (mm) | D3 (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| 22 | 1/2" | 28.5 | 27 | 22 | 72 | 150 | 10 |

**4122.72-22**
For M.B Trucks, Holder nut of injection post.

## 3300FN

Flare Nut Sockets
Llaves de vaso para entubar






| 3300FN (mm) | ⍁ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | S (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|---|
| 8 | | 14.5 | 17.3 | 6 | 53 | 6.4 | 38 | 10 |
| 9 | | 16 | 17.3 | 7 | 53 | 6.8 | 41 | 10 |
| 10 | | 16.8 | 17.2 | 7.5 | 53 | 7.2 | 42 | 10 |
| 11 | | 18 | 17 | 8.5 | 53 | 8.3 | 42 | 10 |
| 12 | | 20 | 18 | 9 | 53 | 8.8 | 50 | 10 |
| 13 | 3/8" | 21.1 | 20 | 9.5 | 62 | 9.4 | 66 | 10 |
| 14 | | 22 | 20 | 10.5 | 62 | 10.5 | 66 | 10 |
| 15 | | 23 | 22 | 11 | 70 | 11.5 | 82 | 10 |
| 16 | | 24 | 23 | 11.5 | 70 | 12 | 90 | 10 |
| 17 | | 25 | 24 | 12.5 | 80 | 13 | 110 | 10 |
| 18 | | 27 | 25 | 13 | 80 | 13.5 | 120 | 10 |
| 19 | | 28 | 26 | 14 | 80 | 14.5 | 130 | 10 |

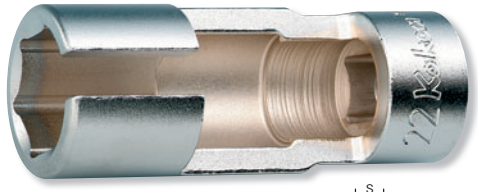
## RS3300FN/6

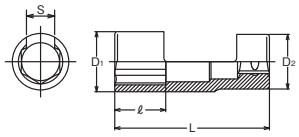
Socket Set on Rail
Juego de Vasos en Regleta

| RS3300FN/6 | 6 Pieces Set/Rail 150mm | ⚖ (g) |
|---|---|---|
| | 8, 10, 12, 14, 17, 19 | 450 |

## SP4300M-85
## SP4300M-110

Special socket for Lambda Probes
Vaso Especial para Sensores Lambda



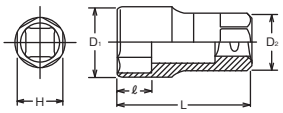



| | ⍁ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | S (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|---|
| SP4300M.85-22 | 1/2" | 33 | 30 | 29 | 85 | 8 | 228 | 10 |
| SP4300M.110-22 | | 33 | 30 | 34 | 110 | 8 | 279 | 10 |

**FLARE NUT SOCKET**
**Socket for Lambda Probes**
Open section allows for use with wire/connector.

## 4300H

Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite

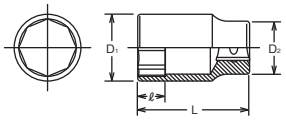


| 4300H (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | H (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|---|
| 24 | 1/2" | 32.5 | 27 | 17 | 57 | 24 | 157 | 10 |
| 26 | | 35 | 27 | 19 | 57 | 24 | 170 | 10 |
| 27 | | 36.1 | 27 | 19.5 | 57 | 24 | 175 | 10 |

**4300H series**
Removes and installs oil pressure switches

## 4300H (8P)

8-point Socket
Vaso Octagonales

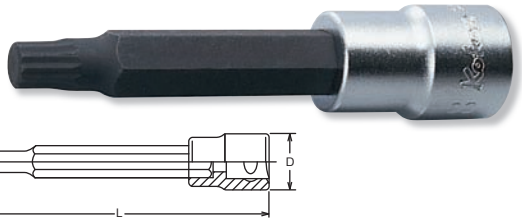


| 4300H (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| 27(8P) | 1/2" | 34 | 27 | 18.5 | 57 | 152 | 10 |

**4300H(8P) series**
Socket for Switches, Mercedes Benz and MAN

## 4010M-100 · -120 (12P)

Bit Sockets for Double Inhex Screws (12-point)
Vasos con Punta para Tornillos Doble Inhex (Bihex)



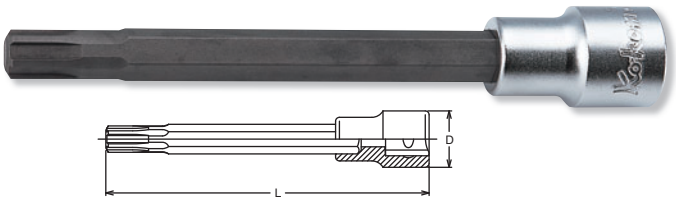

| 4010M.100 (mm) | ☐ | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 8(12P) | 1/2" | 23 | 100 | 132 | 10 |
| 10(12P) | | 23 | 100 | 135 | 10 |

| 4010M.120 (mm) | ☐ | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 8(12P) | 1/2" | 23 | 120 | 151 | 10 |
| 10(12P) | | 23 | 120 | 155 | 10 |

**Cylinder head bolt socket for TOYOTA**
4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

## ST4027-140

Head Bolt Bit Socket for VW/AUDI
Vasos con Punta para Perno de Culata VW/AUDI

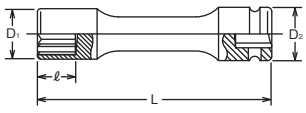



| | ☐ | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| ST4027.140 | 1/2" | 23 | 140 | 155 | 10 |

**Head Bolt Bit Socket for VW/AUDI**
ST4027-140 can not substitute with 3027, 4027-CV bit series.

## 13145M-150 · -200 (12P)

Extra Long Sockets
Vasos Extra-Largos




| 13145M.150 (12P) (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 10 | 3/8" | 15.8 | 19 | 10 | 150 | 120 | 1 | *1 |
| 12 | | 18.3 | 19 | 12 | 150 | 128 | 1 | *1 |

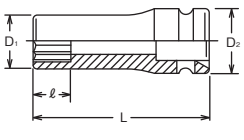
*1 C-Ring=1301C, Pin/O-Ring=1301A•B ➡P232-233

| 13145M.200 (12P) (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 10 | 3/8" | 15.8 | 19 | 10 | 200 | 151 | 1 | *1 |
| 12 | | 18.3 | 19 | 12 | 200 | 159 | 1 | *1 |

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

## 16305M

12-point Sockets,deep
Vasos Bihexagonales Largos

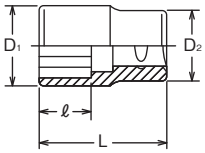


| 16305M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 14 | 3/4" | 26.3 | 44 | 14 | 100 | 500 | 2 | *1 |
| 17 | | 30 | 44 | 17 | 100 | 544 | 2 | *1 |
| 19 | | 32.5 | 44 | 19 | 100 | 655 | 2 | *1 |
| 22 | | 36.3 | 44 | 22 | 100 | 700 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A•B ➡P232-233

## 4109M

Double square Sockets
Vasos Octagonales

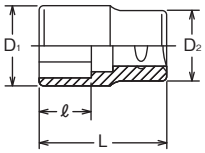



| 4109M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| **14** | 1/2" | 26.8 | 26 | 11 | 38 | 110 | 10 |
| **17** | | 30 | 28 | 12.5 | 40 | 140 | 10 |
| **19** | | 31.5 | 29 | 14 | 40 | 150 | 10 |
| **21.5** | | 35 | 32 | 16 | 40 | 170 | 10 |
| **23** | | 37 | 34 | 16.5 | 43 | 180 | 10 |

**4109M series**
For Lubrication service

## 4111M

6-point Socket
Vaso Hexagonales

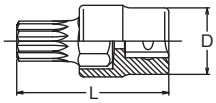



| 4111M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| **24** | 1/2" | 32 | 30 | 17 | 40 | 133 | 10 |

**4111M**
For Lubrication service

## 4020-60 (MH)

Bit Socket for XZN-Screws with hole
Vaso con Punta para Tornillos XZN con agujero

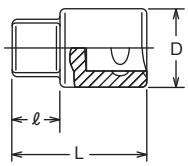



| 4020.60 (XZN) | ☐ | D (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|
| **MH16** | 1/2" | 24 | 60 | 135 | 10 |

**4020-60-MH16**
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

## 3110M · 3110A

4-point Male Sockets
Vasos con Macho Cuadrado

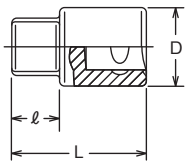



| 3110M (mm) | ☐ | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|
| **6** | 3/8" | 18 | 10 | 28 | 30 | 10 |
| **8** | | 18 | 10 | 28 | 30 | 10 |
| **10** | | 18 | 10 | 28 | 33 | 10 |
| **12** | | 18 | 10 | 28 | 37 | 10 |

| 3110A (inch) | ☐ | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|
| **5/16** | 3/8" | 18 | 10 | 28 | 30 | 10 |
| **3/8** | | 18 | 10 | 28 | 33 | 10 |
| **1/2** | | 18 | 10 | 28 | 37 | 10 |

## 4110M · 4110A

4-point Male Sockets
Vasos Macho Cuadrado



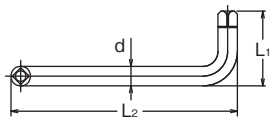

| 4110M (mm) | ☐ | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|
| **8** | 1/2" | 24 | 10 | 32 | 57 | 10 |
| **10** | | 24 | 10 | 32 | 62 | 10 |
| **10.5** | | 24 | 10 | 32 | 64 | 10 |
| **12** | | 24 | 10 | 32 | 64 | 10 |
| **13** | | 24 | 10 | 32 | 66 | 10 |
| **13.5** | | 24 | 10 | 32 | 67 | 10 |
| **19** | | 25 | 15 | 37 | 101 | 10 |
| **20** | | 26 | 15 | 37 | 114 | 10 |

| 4110A (inch) | ☐ | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|
| **3/8** | 1/2" | 24 | 10 | 32 | 62 | 10 |
| **1/2** | | 24 | 10 | 32 | 64 | 10 |

## 158

For Lubrication Service
Para Lubricación

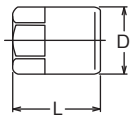
| 158 (mm) | $L_1$ (mm) | $L_2$ (mm) | d (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **8S×10S** | 63 | 230 | 13 | 319 | 1 |




## 3012M-25

Inhex Sockets
Vasos con Punta Hexagonal

| 3012M.25 (mm) | | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **14** | 3/8" | 19 | 25 | 30 | 10 |
| **17** | | 19 | 25 | 30 | 10 |



## 4202

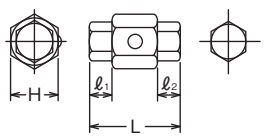
Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado

| 4202 | 7 Pieces Set/=426g |
|---|---|
| METAL CASE:W190×H59×T45mm | |
| Sockets | |
| **106** Drain Plug Keys 8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H | |
| **4102** Drain Plug Key Adaptor | |

## 106

4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal

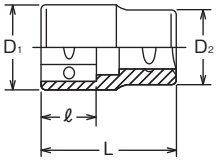
| 106 (mm) | H (mm) | $\ell_1$ (mm) | $\ell_2$ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **8S×10S** | 17 | 8 | 8 | 32 | 40 | 10 |
| **8H×3/8H** | 17 | 8 | 8 | 32 | 38 | 10 |
| **10H×11H** | 17 | 8 | 8 | 32 | 42 | 10 |
| **12H×13H** | 17 | 8 | 8 | 32 | 47 | 10 |
| **14H×17H** | 17 | 8 | 8 | 32 | 55 | 10 |
| **19H** | 17 | - | 8 | 24 | 49 | 10 |



## 4102

Adaptor for 106 Drain plug key
Adaptador para llave de tapón de Vaciado 106

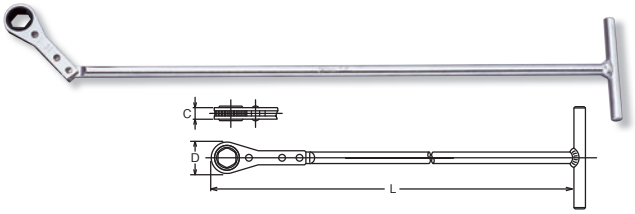
| 4102 (mm) | | $D_1$ (mm) | $D_2$ (mm) | $\ell$ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| **17** | 1/2" | 25 | 24 | 16 | 40 | 82 | 10 |



## 1206 Push and Pull-Ratchet Set / Juego de Llave de Carraca de Empuje y Tracción

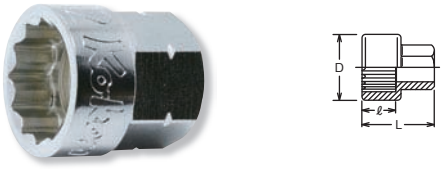
| 1206 | 3 Pieces Set/=320g |
|---|---|
| CARDBOARD BOX | |
| Sockets | Accessory |
| **150.14H** Sockets 12, 14 | **154K-14** |

## 154K Push and Pull-Ratchets / Llaves de Carraca de Empuje y Tracción



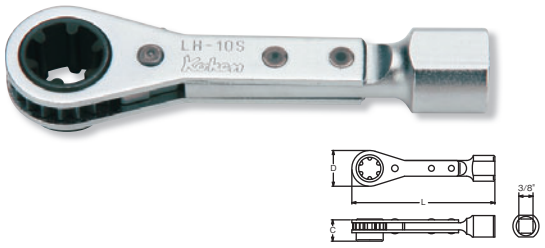

| 154K (mm) | L (mm) | D (mm) | C (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **14** | 480 | 24.6 | 9 | 280 | 1 |

## 150-14H Socket, For 154K / Vasos

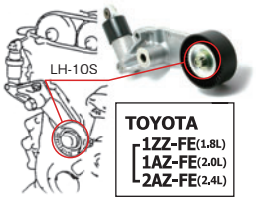



| 150.14H (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **10** | 16 | 5 | 17 | 16 | 10 |
| **12** | 17.3 | 5 | 18 | 14 | 10 |
| **14** | 19.2 | 7 | 21 | 17 | 10 |

## 145LH3/8F Belt Tension Pulley Wrench



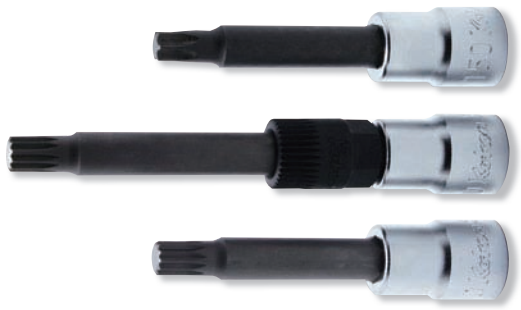

| 145LH3/8F (LH-S) | | L (mm) | D (mm) | C (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **10S** | 3/8" | 100 | 25 | 15.5 | 90 | 10 |




**Belt Tension Pulley Wrench**
For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt tension pulley.

This item has less strength due to the special design.

## 4282 Generator Service Set



| 4282 | 4 Pieces Set/=449g |
|---|---|
| PLASTIC BAG | |
| Sockets | |
| **4020.100-M10**<br>**4020.140-M10** | |
| **4025.100R-T50** | |
| **185** | |

**Generator Service Set**
For removing and installing belt pulley at the generator.



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LHstix® es una marca registrada de **OSG CORPORATION** System Engineering Department.

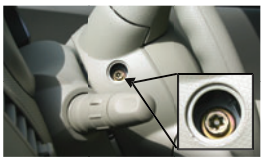
## 1210 · 1210E Door Hinge Wrench Set / Juego de Llave de Bisagra de Puerta

| 1210 | 8 Pieces Set/⚖=450g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | **Accessory** |
| **179B.12H** Sockets 10, 12 | **145KD-12** |
| **179B.12H** XZN Bits M6, M8, M10, M12 | |
| **179B.12H** TORX® Bit T45 | |

| 1210E | 11 Pieces Set/⚖=460g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | **Accessory** |
| **179B.12H** Sockets 10, 12, 13 | **145KD-12** |
| **179B.12H** XZN Bits M8, M10, M12 | |
| **179B.12H** TORX® Bits T40, T45, T50 | |
| **179B.12H** Hex Bit 8 | |

## 3247 Bit Socket Set / Juego de Vasos con Punta ⚠

| 3247 | 4 Pieces Set/⚖=385g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **3025.160** Tamper-resistant TORX® Bit Sockets T27H, T30H, T40H, T50H | |



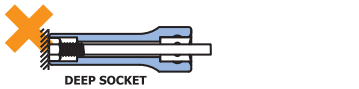
**For Air Bag**
For air-bag unit in hard to reach places in or around the steering wheel.

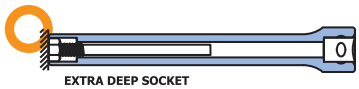
⚠ Tamper Resistant TORX® Bit Sockets have less strength.

## 3300M/4-L120 Socket Set / Juego de Vasos

| 3300M/4-L120 | 4 Pieces Set/⚖=477g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **3300M(L120)** 6-pt. Extra Deep Sockets 8, 10, 12, 14 | |

**Extra Deep Socket**
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.

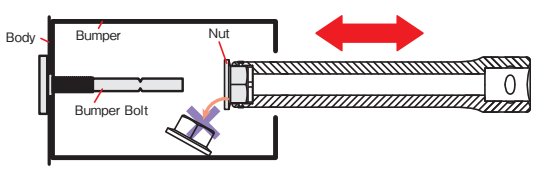



## 3350M/2-L120 Socket Set / Juego de Vasos

| 3350M/2-L120 | 2 Pieces Set/⚖=230g |
|---|---|
| PLASTIC BAG | |
| **Sockets** | |
| **3350M(L120)** Nut Grip Extra Deep Sockets 10, 12 | |

**Nut Grip Extra Deep Socket**

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TORX® es una marca registrada de Acument Intellectual Properties, LLC.

## 1212

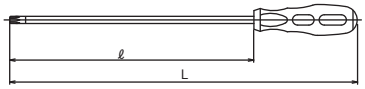
Screwdriver set
Destornilladores, juego de 4 piezas

| 1212 | 4 Pieces Set/⚖=380g |
|---|---|
| PLASTIC BAG | |
| Screwdrivers | |
| **168T(250)** 20PR | |
| **168T(250)** T20, T25, T30 | |

**Long shank Screw Screwdriver**

## 168T (250)

Screwdrivers
Destornilladores




| 168T(250) (PR) | ℓ (mm) | L (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|
| **20PR** | 250 | 350 | 85 | 1 |

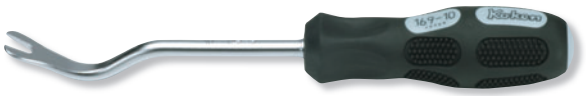
| 168T(250) (T) | ℓ (mm) | L (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|
| **T20** | 250 | 350 | 85 | 1 |
| **T25** | 250 | 350 | 85 | 1 |
| **T30** | 250 | 360 | 120 | 1 |

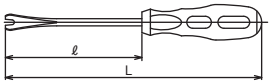
## 169/2

Door Trim Pad Tool, 2 pieces set
Herramienta de Forro de Puerta, juego de 2 piezas

## 169

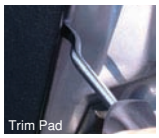
Door Trim Pad Tool
Herramienta de Forro de Puerta






| 169/2 | 2 Pieces Set/⚖=200g |
|---|---|
| PLASTIC BAG | |
| Clip Handles | |
| **169** 6, 10 | |

| 169 | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|
| **6** | 115 | 215 | 80 | 2 |
| **10** | 120 | 230 | 110 | 2 |

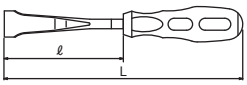

Trim Pad

Trim Clip

**Clip Handle**

## 169WM

Window Molding Remover
Extractor de Burletes de Ventana

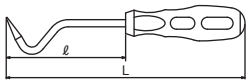



| | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|
| **169WM** | 100 | 210 | 90 | 2 |

**Window Molding Remover**

## 169HR

Hose Remover
Extractor de Mangueras

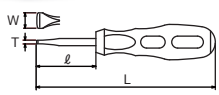



| 169HR | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|
| **A** | 100 | 200 | 75 | 2 |

**Hose Remover**

## 169BP

For Buttery Screws




| 169BP | T×W (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|---|
| **1.8×13** | 1.8×13 | 50 | 150 | 60 | 2 |

For Battery screw

Quick Fastener

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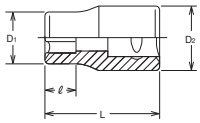
## 4425-N

TORX® Sockets
For Nut/Low Profile Head Bolt

| 4425 (E) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| New E10N | 1/2" | 13.2 | 21 | 8.2 | 36 | 47 | 10 |
| New E12N | | 14.6 | 21 | 9.3 | 37 | 48 | 10 |
| New E14N | | 16.5 | 21 | 10.6 | 37 | 50 | 10 |
| New E16N | | 19 | 22 | 11.8 | 37 | 60 | 10 |
| New E18N | | 20.3 | 22 | 13 | 37 | 60 | 10 |
| E20N | | 22.8 | 22 | 14.4 | 37 | 65 | 10 |



## RS4425/6-N

Socket Set on Rail
Juego de Vasos en Regleta

| RS4425/6-N 6 Pieces Set/Rail 200mm | (g) |
|---|---|
| New E10N, E12N, E14N, E16N, E18N, E20N | 370 |

Engine type : QR/MR
Flywheel bolt for NISSAN : E20N

| 13145A.150 (inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 9/16(D20) | 3/8" | 20 | 19 | 13 | 150 | 130 | 1 | *1 |

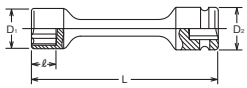
*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P232-233

| 14145A.150 (inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 9/16(D20) | 1/2" | 20 | 25 | 13 | 150 | 200 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233
For Land Rover Prop Shaft

## 13145A-150
## 14145A-150

Extra Long Sockets
Vasos Extra-Largos

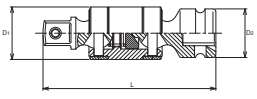


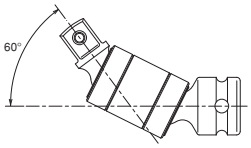

| | ☐ | D1 (mm) | D2 (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| New 13772-P | 3/8" | 22 | 19 | 75 | 120 | 5 | *1 |
| 14772-P | 1/2" | 27 | 25 | 90 | 230 | 1 | *2 |

*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B ➡P232-233

## 13772-P
## 14772-P

Universal Double Joint
Articulación Universal



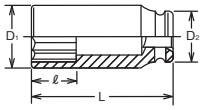



| 14305M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 30 | 1/2" | 42 | 30 | 30 | 85 | 457 | 10 | *1 |
| 32 | | 44.5 | 30 | 32 | 85 | 542 | 10 | *1 |
| 36 | | 49.5 | 30 | 36 | 85 | 635 | 2 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P232-233

## 14305M

12-point Deep Sockets
Vasos Bihexagonales Largos



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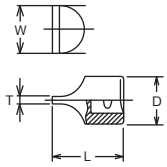
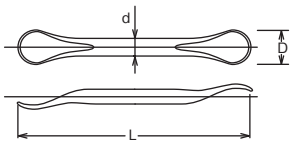
## 4101 · 6101 Sockets for Slotted Heads / Vasos para Cabeza Ranurada




| 4101 | | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 1 | 1/2" | 2.7x18.6 | 22 | 40 | 59 | 10 |
| 2 | | 3.7x24 | 24 | 40 | 79 | 10 |
| 3 | | 3.7x30 | 30 | 40 | 128 | 10 |

| | | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 6101 | 3/4" | 6.4x33.5 | 35 | 50 | 205 | 10 |

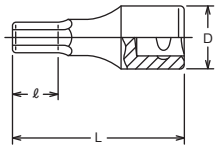
## 155 Tyre Lever / Llave de Neumáticos




| | D (mm) | d (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| 155 | 22 | 10 | 170 | 100 | 10 |

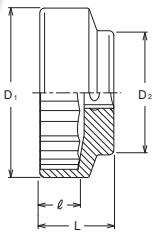
**For Motor Cycles**

## 4012M-43 Inhex Sockets / Vasos Inhex




| 4012M.43 (mm) | | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| 20 | 1/2" | 26 | 11.5 | 43 | 130 | 10 |
| 21 | | 26 | 11.5 | 43 | 140 | 10 |
| 22 | | 26 | 11.5 | 43 | 145 | 10 |
| 24 | | 28 | 11.5 | 43 | 170 | 10 |
| 27 | | 32 | 11.5 | 43 | 226 | 10 |

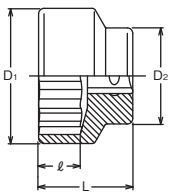
## 4400M-DU Rear Wheel Nut Socket
## 4405M-DU




| | 4400M | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|---|
| New | 41DU | 1/2" | 53 | 45 | 15 | 28 | 240 | 5 |
| New | 46DU | | 59 | 48 | 15 | 28 | 280 | 5 |

| | 4405M | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|---|
| New | 55DU | 1/2" | 71 | 52 | 16 | 31 | 410 | 5 |

## 6405A-MV Rear Wheel Nut Socket




| 6405A | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| 2.3/16MV | 3/4" | 74.6 | 53 | 23 | 52 | 790 | 2 |

**For:MV AGUSTA**

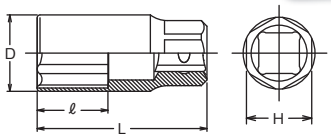
## 4300M (L60)

Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)

| 4300M(L60) (mm) | ⊿ | D (mm) | ℓ (mm) | L (mm) | H (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 23.6 | 25 | 60 | 21 | 98 | 10 |
| 19 | | 25.1 | 25 | 60 | 21 | 100 | 10 |
| 21 | | 27.1 | 25 | 60 | 21 | 102 | 10 |

**Wheel Nut Sockets**

⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

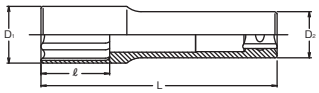



## 4300M (L110)

Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)

| 4300M(L110) (mm) | ⊿ | D₁ (mm) | D₂ (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◈ (pcs.) |
|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 23 | 22 | 32 | 110 | 155 | 10 |
| 19 | | 25.8 | 22 | 32 | 110 | 170 | 10 |
| 21 | | 26.8 | 22 | 32 | 110 | 165 | 10 |

⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

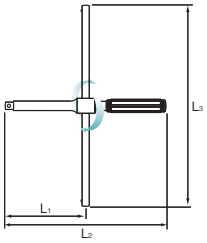


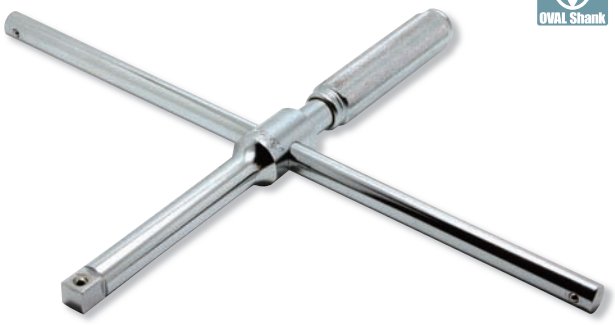

## 4711X

Spinning cross wrench

OVAL Shank

| | ⊿ | L₁ (mm) | L₂ (mm) | L₃ (mm) | ⚖ (g) | ◈ (pce.) |
|---|---|---|---|---|---|---|
| 4711X | 1/2" | 140 | 280 | 350 | 945 | 1 |



## 14201M
## 14145PM-110

Wheel Nut Sockets Set
Juego de Vasos para Rueda

Wheel Nut Sockets
Vasos para Rueda

thin

**14201M** 3 Pieces Set/⚖=690g

CARDBOARD BOX:W125×H95×T34mm

Sockets

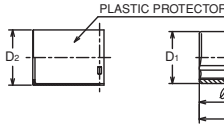
**14145PM.110** Impact Wheel Nut Sockets
17, 19, 21

| 14145PM.110 (mm) | ⊿ | D₁ (mm) | D₂ (mm) | ℓ (mm) | Shaft Color | ⚖ (g) | ◈ (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 23.7 | 25.2 | 21 | | 223 | 5 | *1 |
| 19 | | 25.7 | 27.2 | 23 | | 231 | 5 | *1 |
| 21 | | 27.5 | 29.5 | 25 | | 236 | 5 | *1 |
| 22 | | 29 | 30.5 | 26 | | 248 | 5 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

**Impact Wheel Nut Sockets-Extra Thin wall**
Special design for wheel nut work.
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel nut.

⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

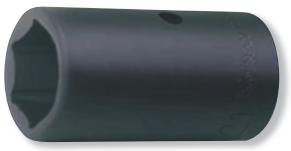


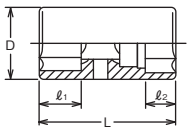
A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

| |
|---|
| **198-17** : Spare Plastic Protector for 14145PM.110-17 : **10 pcs.** |
| **198-19** : Spare Plastic Protector for 14145PM.110-19 : **10 pcs.** |
| **198-21** : Spare Plastic Protector for 14145PM.110-21 : **10 pcs.** |
| **198-22** : Spare Plastic Protector for 14145PM.110-22 : **10 pcs.** |

## 14118M

Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas

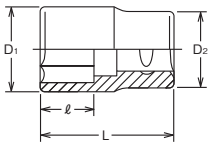





| 14118M (mm) | ⊿ | D (mm) | ℓ1 (mm) | ℓ2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| 17×19 | 1/2" | 28 | 15.5 | 13 | 48 | 150 | 10 |
| 19×21 | | 31 | 17.5 | 13 | 57 | 177 | 10 |
| 19×22 | | 31 | 17.5 | 15 | 57 | 187 | 10 |

## AL4400M

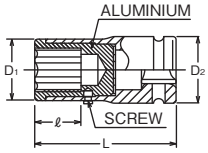
Aluminium Sockets for Wheel Nuts
Vasos de Aluminio para Tuercas de Rueda




| AL4400M (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 29.5 | 27 | 21 | 43 | 52 | 10 |
| 19 | | 31 | 29 | 24 | 45 | 58 | 10 |

## AR14300

Impact Sockets with exchangeable Aluminium Inlets
Vasos de Impacto con Partes Intermas de Aluminio Recambiables

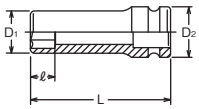



| AR14300 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 28 | 30 | 21 | 65 | 220 | 10 | *1 |
| 19 | | 30 | 30 | 24 | 65 | 223 | 10 | *1 |
| 21 | | 33 | 30 | 25 | 65 | 237 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## AN14300

Impact Sockets, Aluminium alloyed, for aluminium wheel nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio

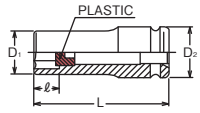



| AN14300 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 25.7 | 30 | 17 | 80 | 85 | 10 | *1 |
| 19 | | 28.2 | 30 | 19 | 80 | 89 | 10 | *1 |
| 21 | | 30.7 | 30 | 21 | 80 | 93 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14113J

Impact Sockets with Plastic Stops for Hub Cap Screws
Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos

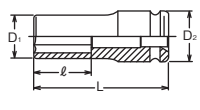



| 14113J (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 25.7 | 30 | 14 | 80 | 251 | 10 | *1 |
| 19 | | 28.2 | 30 | 16 | 80 | 286 | 10 | *1 |
| 21 | | 30.7 | 30 | 20 | 80 | 309 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14113M

For Hub Cap Screws
Para Tornillos de Tapacubos




| 14113M (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1/2" | 25.7 | 30 | 34 | 80 | 230 | 10 | *1 |
| 19 | | 28.2 | 30 | 38 | 80 | 262 | 10 | *1 |
| 21 | | 30.7 | 30 | 42 | 80 | 285 | 10 | *1 |

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P232-233

## 14124

Lock Nut Busters (Double Ended)
Tronzador de Tuercas (Dos Bocas)

| 14124 (mm) | | D1 (mm) | D2 (mm) | ℓ1 (mm) | ℓ2 (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|---|---|
| **21×24.5** | 1/2" | 28 | 29.5 | 24 | 25 | 65 | 157 | 10 |
| **26×27.5** | | 31.5 | 35 | 24.5 | 24.5 | 65 | 197 | 10 |

## 14124/3

Lock Nut Busters (Double Ended) in set
Juego Tronzador de Tuercas (Dos Bocas)

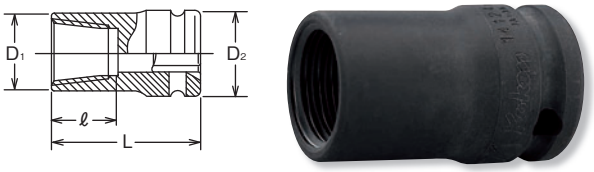
| 14124/3 | 3 Pieces Set/=580g |
|---|---|
| CARDBOARD BOX:W125×H91×T43mm | |
| Sockets | Accessory |
| **14124**<br>21×24.5<br>26×27.5 | **14760-75B** |

## 14124

Lock Nut Busters
Tronzador de Tuercas

| 14124 (mm) | | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| **17** | 1/2" | 20.5 | 25 | 15 | 50 | 83 | 10 | *1 |
| **18** | | 21 | 25 | 15 | 50 | 83 | 10 | *1 |
| **18.5** | | 23 | 25 | 15 | 50 | 95 | 10 | *1 |
| **19** | | 25 | 30 | 20.5 | 50 | 140 | 10 | *2 |
| **21** | | 28 | 30 | 20.5 | 50 | 153 | 10 | *2 |
| **24.5** | | 29.5 | 30 | 23 | 50 | 138 | 10 | *2 |
| **26** | | 31.5 | 30 | 23 | 50 | 147 | 10 | *2 |
| **27.5** | | 35 | 30 | 23 | 50 | 181 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233



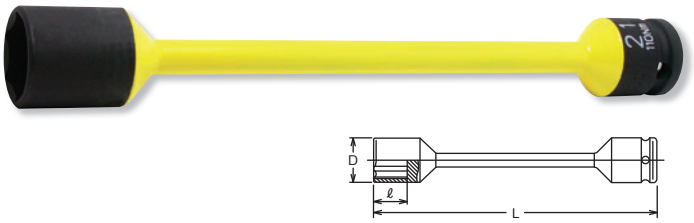

## RS14124/7

Socket Set on Rail
Juego de Vasos en Regleta

| RS14124/7 | 7 Pieces Set/Rail 250mm | (g) |
|---|---|---|
| **18, 18.5, 19, 21, 24.5, 26, 27.5** | | 980 |

## KP14101

Torsion Bars (for tightening only)
Barras de Tosión (Solamente para apriete)

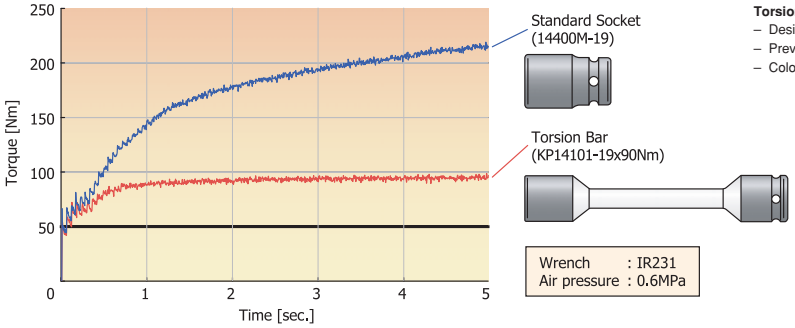





| KP14101 (mm×Nm) | □ | D (mm) | ℓ (mm) | L (mm) | Shaft Color | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17×110Nm | 1/2" | 24 | 21 | 204 | | 230 | 10 | *1 |
| 19× 90Nm | | 26 | 24 | 259 | | 250 | 10 | *1 |
| 19×110Nm | | 26 | 24 | 213 | | 240 | 10 | *1 |
| 21×100Nm | | 28 | 27 | 215 | | 255 | 10 | *1 |
| 21×110Nm | | 28 | 27 | 216 | | 250 | 10 | *1 |
| 21×130Nm | | 28 | 27 | 207 | | 305 | 10 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

**How to use Torsion Bar:**
1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening torque value with torque wrench.
6. Adjust air pressure or torque value according to the results of check 5.
7. Tight other wheel nut in diagonal order.




**Torsion Bars**
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

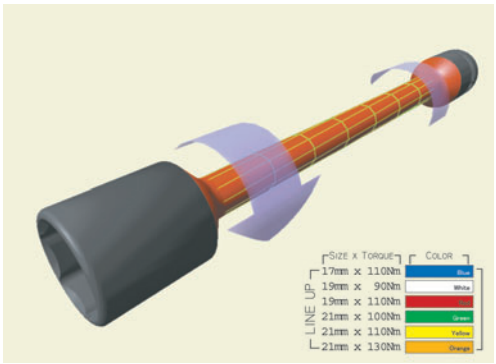
## KP14101/6S

Display Stand
Expositor

KP14101/6S — 6 Pieces Set/⚖=2,230g
DISPLAY STAND

Torsion Bars

**KP14101** Impact Torsion Bars (Thin walled)
17×110Nm, 19×90Nm, 19×110Nm, 21×100Nm,
21×110Nm, 21×130Nm




## KP14101/6H

Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres

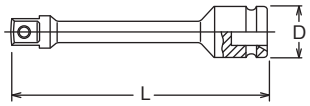
KP14101/6H — 6 Pieces Set/⚖=2,230g
HANGER

Torsion Bars

**KP14101** Impact Torsion Bars (Thin walled)
17×110Nm, 19×90Nm, 19×110Nm, 21×100Nm,
21×110Nm, 21×130Nm

## 14112

Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete)

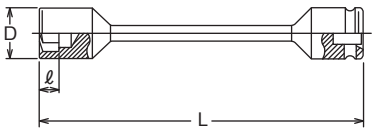



| 14112 | | D (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|
| **90NmP** | 1/2" | 25 | 208 | 206 | 1 | *1 |
| **95NmP** | | 25 | 202 | 200 | 1 | *1 |
| **100NmP** | | 25 | 196 | 198 | 1 | *1 |
| **110NmP** | | 25 | 213 | 220 | 1 | *1 |
| **120NmP** | | 25 | 201 | 219 | 1 | *1 |
| **140NmP** | | 25 | 205 | 230 | 1 | *1 |
| **170NmP** | | 25 | 195 | 257 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 14101M

Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)

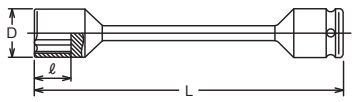



| 14101M (mm×Nm) | | D (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **14× 95Nm** | 1/2" | 22 | 11 | 208 | 230 | 1 | *1 |
| **15×110Nm** | | 23.2 | 11 | 201 | 230 | 1 | *1 |
| **17× 60Nm** | | 25.7 | 12 | 216 | 227 | 1 | *1 |
| **17× 75Nm** | | 25.7 | 12 | 228 | 240 | 1 | *1 |
| **17× 95Nm** | | 25.7 | 12 | 214 | 256 | 1 | *1 |
| **17×110Nm** | | 25.7 | 12 | 204 | 285 | 1 | *1 |
| **17×120Nm** | | 25.7 | 12 | 200 | 284 | 1 | *1 |
| **19× 60Nm** | | 28.2 | 13 | 219 | 237 | 1 | *1 |
| **19× 90Nm** | | 28.2 | 13 | 259 | 275 | 1 | *1 |
| **19×110Nm** | | 28.2 | 13 | 214 | 278 | 1 | *1 |
| **19×120Nm** | | 28.2 | 13 | 203 | 297 | 1 | *1 |
| **19×135Nm** | | 28.2 | 13 | 206 | 339 | 1 | *1 |
| **19×170Nm** | | 28.2 | 13 | 190 | 332 | 1 | *1 |
| **21×100Nm** | | 30.7 | 14 | 214 | 288 | 1 | *1 |
| **21×120Nm** | | 30.7 | 14 | 203 | 288 | 1 | *1 |
| **22×160Nm** | | 32 | 15 | 209 | 385 | 1 | *1 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P232-233

## 16101M · 18101M

Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)



| 16101M (mm×Nm) | | D (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **24×180Nm** | 3/4" | 38.8 | 24 | 235 | 850 | 1 | *1 |
| **27×450Nm** | | 42.5 | 27 | 280 | 1236 | 1 | *1 |
| **32×600Nm** | | 48.8 | 32 | 280 | 1370 | 1 | *1 |
| **33×600Nm** | | 50 | 33 | 280 | 1370 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 18101M (mm×Nm) | | D (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|
| **24×350Nm** | 1" | 43.5 | 24 | 300 | 1380 | 1 | *1 |
| **27×350Nm** | | 47 | 27 | 300 | 1401 | 1 | *1 |
| **27×450Nm** | | 47 | 27 | 300 | 1579 | 1 | *1 |
| **30×500Nm** | | 51 | 30 | 300 | 1563 | 1 | *1 |
| **32×450Nm** | | 53.5 | 32 | 300 | 1600 | 1 | *1 |
| **32×550Nm** | | 53.5 | 32 | 300 | 1602 | 1 | *1 |
| **32×600Nm** | | 53.5 | 32 | 300 | 1602 | 1 | *1 |
| **32×700Nm** | | 51.5 | 32 | 300 | 1630 | 1 | *1 |
| **33×550Nm** | | 55 | 33 | 300 | 1638 | 1 | *1 |
| **33×600Nm** | | 55 | 33 | 300 | 1638 | 1 | *1 |
| **36×600Nm** | | 58.5 | 36 | 300 | 1718 | 1 | *1 |

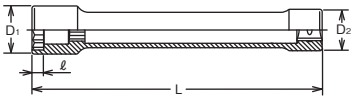
*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

# 6102M-400
# 8102M-400

Extra long Sockets for wheel Nuts
Vasos de para Rueda Extra-largos




| 6102M.400 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| 41Wx21W | 3/4" | 58 | 40 | 14 | 400 | 1880 | 1 |
| 32 | | 48.5 | 40 | 32 | 400 | 1480 | 1 |
| 33 | | 49.8 | 40 | 32 | 400 | 1500 | 1 |

| 8102M.400 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|---|---|
| 41Wx21W | 1" | 58 | 49.9 | 14 | 400 | 2610 | 1 |
| 32 | | 48.5 | 49.9 | 32 | 400 | 2210 | 1 |
| 33 | | 49.8 | 49.9 | 32 | 400 | 2220 | 1 |

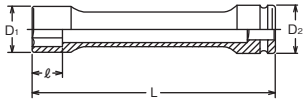
⚠ 6102M/8102M are for hand use only. Do not use with a poweror impact wrench.

Extra long Socket for wheel nut

Combination type.
41Wx21W

# 16102M-270 · -400
# 18102M-270 · -400

Extra long Sockets for wheel Nuts
Vasos de Impact para Rueda Extra-largos




| 16102M.270 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 24 | 3/4" | 38.8 | 44 | 24 | 270 | 1034 | 1 | *1 |
| 27 | | 42.5 | 44 | 27 | 270 | 1088 | 1 | *1 |
| 30 | | 46.3 | 44 | 30 | 270 | 1144 | 1 | *1 |
| 32 | | 48.8 | 44 | 32 | 270 | 1157 | 1 | *1 |
| 33 | | 50 | 44 | 32 | 270 | 1200 | 1 | *1 |
| 36 | | 53.8 | 44 | 32 | 270 | 1250 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 16102M.400 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 24 | 3/4" | 38.8 | 44 | 24 | 400 | 1430 | 1 | *1 |
| 27 | | 42.5 | 44 | 27 | 400 | 1460 | 1 | *1 |
| 30 | | 46.3 | 44 | 30 | 400 | 1510 | 1 | *1 |
| 32 | | 48.8 | 44 | 32 | 400 | 1530 | 1 | *1 |
| 33 | | 50 | 44 | 32 | 400 | 1530 | 1 | *1 |
| 36 | | 53.8 | 44 | 32 | 400 | 2180 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 18102M.270 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 23 | 1" | 37.3 | 54 | 23 | 270 | 1627 | 1 | *1 |
| 24 | | 38.5 | 54 | 24 | 270 | 1628 | 1 | *1 |
| 26 | | 41 | 54 | 26 | 270 | 1667 | 1 | *1 |
| 27 | | 42.3 | 54 | 27 | 270 | 1680 | 1 | *1 |
| 29 | | 44.8 | 54 | 29 | 270 | 1680 | 1 | *1 |
| 30 | | 46 | 54 | 30 | 270 | 1680 | 1 | *1 |
| 32 | | 48.5 | 54 | 32 | 270 | 1680 | 1 | *1 |
| 33 | | 49.8 | 54 | 32 | 270 | 1700 | 1 | *1 |
| 34 | | 51 | 54 | 32 | 270 | 1750 | 1 | *1 |
| 36 | | 53.5 | 54 | 32 | 270 | 1750 | 1 | *1 |
| 38 | | 56 | 54 | 32 | 270 | 1822 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| 18102M.400 (mm) | ◻ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 23 | 1" | 37.3 | 54 | 23 | 400 | 1865 | 1 | *1 |
| 24 | | 38.5 | 54 | 24 | 400 | 1869 | 1 | *1 |
| 26 | | 41 | 54 | 26 | 400 | 1925 | 1 | *1 |
| 27 | | 42.3 | 54 | 27 | 400 | 2272 | 1 | *1 |
| 29 | | 44.8 | 54 | 29 | 400 | 2278 | 1 | *1 |
| 30 | | 46 | 54 | 30 | 400 | 2266 | 1 | *1 |
| 32 | | 48.5 | 54 | 32 | 400 | 2322 | 1 | *1 |
| 33 | | 49.8 | 54 | 32 | 400 | 2320 | 1 | *1 |
| 34 | | 51 | 54 | 32 | 400 | 2341 | 1 | *1 |
| 36 | | 53.5 | 54 | 32 | 400 | 2442 | 1 | *1 |
| 38 | | 56 | 54 | 32 | 400 | 2550 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| PW6 (mm×mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 32×17 | 3/4" | 47 | 44 | 12 | 75 | 633 | 2 | *1 |
| 35×17 | | 50 | 44 | 13 | 75 | 673 | 2 | *1 |
| 38×20 | | 55 | 44 | 14 | 75 | 708 | 2 | *1 |
| 41×19 | | 58 | 44 | 14 | 80 | 840 | 2 | *1 |
| 41×20 | | 58 | 44 | 14 | 80 | 840 | 2 | *1 |
| 41×21 | | 58 | 44 | 14 | 80 | 831 | 2 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| PW8 (mm×mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 35×17 | 1" | 50 | 54 | 13 | 83 | 935 | 2 | *1 |
| 38×20 | | 55 | 54 | 14 | 83 | 1038 | 2 | *1 |
| 41×19 | | 58 | 54 | 14 | 87 | 1100 | 2 | *1 |
| 41×20 | | 58 | 54 | 14 | 87 | 1096 | 2 | *1 |
| 41×21 | | 58 | 54 | 14 | 87 | 1089 | 2 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| SIZE | VEHICLE | | SIZE | VEHICLE | |
|---|---|---|---|---|---|
| 32 × 17 | TOYOTA | (～2t) | 41 × 19 | MAZDA | (3～4t) |
| 35 × 17 | NISSAN<br>MITSUBISHI<br>MAZDA<br>ISUZU | (～3t)<br>(～1t)<br>(～2t)<br>(～3.5t) | 41 × 20 | TOYOTA<br>DAIHATSU<br>HINO | (2t～)<br>(2～3.5t)<br>(2～3.5t) |
| 38 × 20 | MITSUBISHI | (2～3.5t) | 41 × 21 | NISSAN<br>MITSUBISHI<br>ISUZU<br>HINO | (4t～)<br>(2t～)<br>(4t～)<br>(4t～) |

PW8P/4 — 4 Pieces Set/⚖=4,250g

CARDBOARD BOX:W240×H95×T70mm

Sockets

**PW8P** Impact Rear Wheel Nut Sockets
35×17, 38×20, 41×19, 41×21

| PW8P (mm×mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | Shaft Color | (pcs.) | |
|---|---|---|---|---|---|---|---|---|---|
| 35×17 | 1" | 50 | 54 | 13 | 83 | 935 | | 5 | *1 |
| 38×20 | | 55 | 54 | 14 | 83 | 1038 | | 5 | *1 |
| 41×19 | | 58 | 54 | 14 | 87 | 1100 | | 5 | *1 |
| 41×21 | | 58 | 54 | 14 | 87 | 1089 | | 5 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| PW8L (mm×mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 41×21 | 1" | 58 | 54 | 15 | 105 | 1263 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| PW6 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 3/4" | 40 | 44 | 19 | 53 | 433 | 2 | *1 |
| 19 | | 40 | 44 | 19 | 53 | 419 | 2 | *1 |
| 20 | | 44 | 44 | 21 | 55 | 483 | 2 | *1 |
| 21 | | 44 | 44 | 23 | 57 | 491 | 2 | *1 |

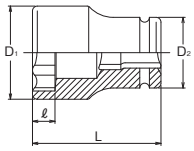
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| PW8 (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| 17 | 1" | 40 | 54 | 19 | 60 | 621 | 2 | *1 |
| 19 | | 43 | 54 | 19 | 60 | 648 | 2 | *1 |
| 20 | | 45 | 54 | 21 | 62 | 687 | 2 | *1 |
| 21 | | 45 | 54 | 23 | 64 | 696 | 2 | *1 |

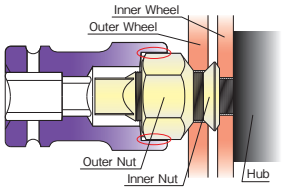
*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## PW6 · PW8

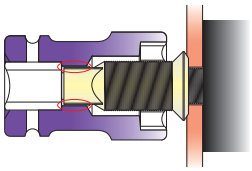
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



**Tightening / Loosening Outer Nut**




**Tightening / Loosening Inner Nut**



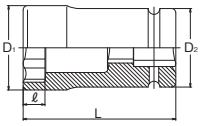
## PW8P/4
## PW8P

Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

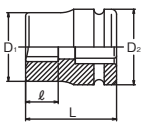
## PW8L

Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)



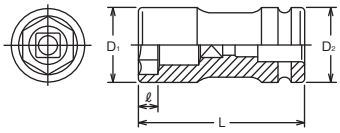
## PW6 · PW8

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



## 16316M · 16316A
## 18316M · 18316A

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna




| 16316M (mm×mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **35×17** | 3/4" | 52 | 44 | 10 | 90 | 865 | 1 | *1 |
| **38×20** | | 56 | 44 | 13 | 100 | 952 | 1 | *1 |
| **41×19** | | 59 | 44 | 12 | 100 | 1037 | 1 | *1 |
| **41×21** | | 59 | 44 | 15 | 100 | 963 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 16316A (inch×inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 1.1/2x13/16 | 3/4" | 56 | 44 | 13 | 100 | 940 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 18316M (mm×mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **35×17** | 1" | 52 | 54 | 10 | 108 | 1153 | 1 | *1 |
| **38×20** | | 56 | 54 | 13 | 108 | 1133 | 1 | *1 |
| **41×19** | | 59 | 54 | 12 | 108 | 1200 | 1 | *1 |
| **41×21** | | 59 | 54 | 15 | 108 | 1155 | 1 | *1 |

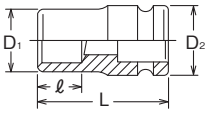
*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

| 18316A (inch×inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| 1.1/2x13/16 | 1" | 59 | 54 | 13 | 108 | 1120 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

## 16317M · 16317A
## 18317M · 18317A

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna




| 16317M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **17** | 3/4" | 40 | 44 | 22.5 | 67 | 485 | 1 | *1 |
| **19** | | 40 | 44 | 22.5 | 67 | 462 | 1 | *1 |
| **20** | | 44 | 44 | 22.5 | 67 | 517 | 1 | *1 |
| **21** | | 44 | 44 | 22.5 | 67 | 489 | 1 | *1 |
| **22** | | 44 | 44 | 22.5 | 67 | 482 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 16317A (inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **13/16** | 3/4" | 44 | 44 | 22.5 | 67 | 489 | 1 | *1 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P232-233

| 18317M (mm) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **17** | 1" | 40 | 54 | 22.5 | 72 | 682 | 1 | *1 |
| **17.5** | | 40 | 54 | 22.5 | 72 | 677 | 1 | *1 |
| **19** | | 43 | 54 | 22.5 | 72 | 705 | 1 | *1 |
| **20** | | 45 | 54 | 22.5 | 72 | 723 | 1 | *1 |
| **20.5** | | 45 | 54 | 22.5 | 72 | 723 | 1 | *1 |
| **21** | | 45 | 54 | 22.5 | 72 | 703 | 1 | *1 |
| **22** | | 45 | 54 | 22.5 | 72 | 696 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

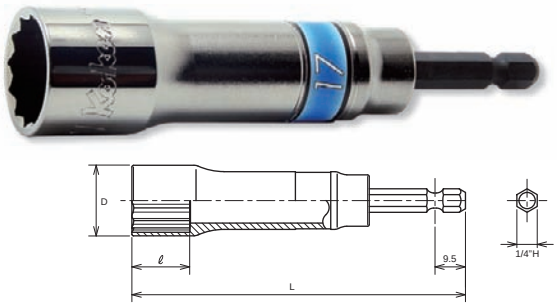
| 18317A (inch) | ☐ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|---|---|---|---|---|---|---|---|---|
| **13/16** | 1" | 45 | 54 | 22.5 | 72 | 703 | 1 | *1 |

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P232-233

# Construction

## BD014E

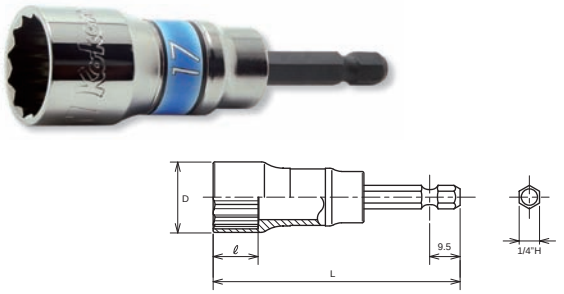
12-point Nut Setters, deep
Vasos Bihex para Apretar Tuercas, largos




| BD014E (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 12 | 12 | 104 | 50 | 10 |
| **10** | 14 | 12 | 104 | 58 | 10 |
| **12** | 16.5 | 18 | 104 | 73 | 10 |
| **13** | 17.5 | 18 | 104 | 78 | 10 |
| **14** | 19 | 18 | 104 | 83 | 10 |
| **17** | 22.5 | 18 | 104 | 111 | 10 |
| **19** | 24.5 | 18 | 104 | 128 | 10 |
| **21** | 27 | 18 | 104 | 150 | 10 |
| **22** | 28 | 18 | 104 | 157 | 10 |
| **24** | 30.3 | 18 | 104 | 180 | 10 |

## BD014SE

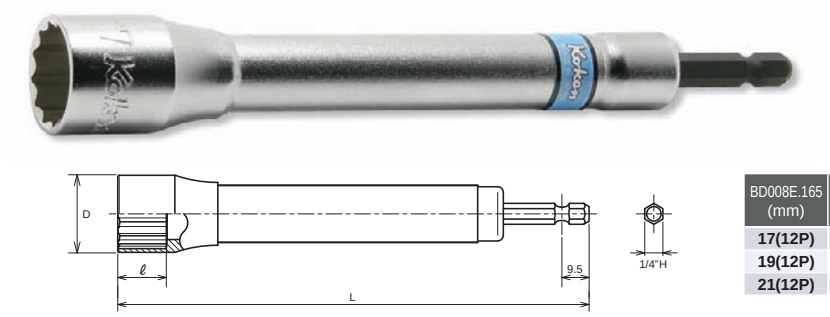
12-point Nut Setters
Vasos Bihex para Apretar Tuercas



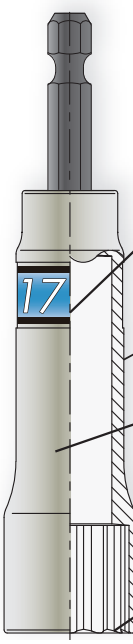

| BD014SE (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 12 | 12 | 77 | 35 | 10 |
| **10** | 14 | 12 | 77 | 38 | 10 |
| **12** | 16.5 | 14 | 77 | 48 | 10 |
| **13** | 17.5 | 14 | 77 | 51 | 10 |
| **14** | 19 | 14 | 77 | 54 | 10 |
| **17** | 22.5 | 14 | 77 | 76 | 10 |
| **19** | 24.5 | 14 | 77 | 83 | 10 |
| **21** | 27 | 14 | 77 | 104 | 10 |
| **22** | 28 | 14 | 77 | 120 | 10 |
| **24** | 30.3 | 14 | 77 | 140 | 10 |

## BD008E-165 (12P)

12-point Nut Setters, extra long
Vasos Bihex para Apretar Tuercas




| BD008E.165 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **17(12P)** | 22.5 | 17 | 165 | 178 | 10 |
| **19(12P)** | 24.5 | 17 | 165 | 195 | 10 |
| **21(12P)** | 27 | 17 | 165 | 233 | 10 |




### Color Coded

Easy identification for the sizes.

### Light Body Design

New BD011SE, BD014E and BD014SE are designed the weight up to 30% lighter for easy handling.

### Dark Colour Chrome Plating

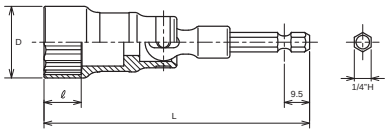
Surface treatment is changed to Dark Colour Chrome Plating.
*except BD008E series

### 12 point Opening

Socket opening is designed to 12-point opening to catch a bolt/nut easy.

## BD011SE

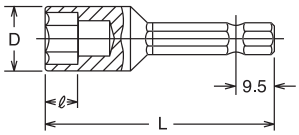
12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal




| BD011SE (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **10** | 14 | 12 | 100 | 85 | 10 |
| **12** | 16.5 | 12 | 100 | 90 | 10 |
| **13** | 17.5 | 12 | 100 | 95 | 10 |
| **14** | 19 | 12 | 100 | 100 | 10 |
| **17** | 22.5 | 14 | 100 | 115 | 10 |
| **19** | 24.5 | 14 | 100 | 120 | 10 |
| **21** | 27 | 14 | 100 | 140 | 10 |
| **22** | 28 | 14 | 100 | 150 | 10 |

## 113-50

Nut Setters
Vasos para apretar tuercas Hexagonales

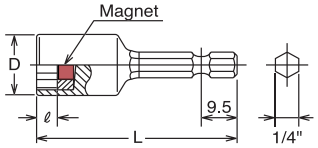



| 113.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5.5** | 9 | 4 | 50 | 15 | 10 |
| **6** | 10 | 5 | 50 | 17 | 10 |
| **7** | 11 | 5 | 50 | 19 | 10 |
| **8** | 12 | 6 | 50 | 20 | 10 |
| **10** | 14 | 7 | 50 | 31 | 10 |
| **12** | 17 | 8 | 50 | 39 | 10 |
| **13** | 18 | 8 | 50 | 42 | 10 |
| **14** | 19 | 9 | 50 | 46 | 10 |

| 113.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 10 | 5 | 50 | 17 | 10 |
| **5/16** | 12 | 6 | 50 | 20 | 10 |
| **3/8** | 14 | 7 | 50 | 31 | 10 |
| **1/2** | 18 | 8 | 50 | 42 | 10 |

## 115-50

Nut Setters with Magnet
Vasos para tuercas con Imán

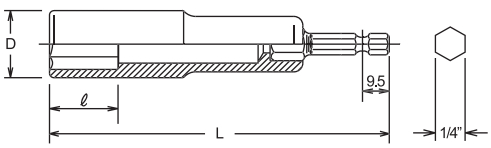



| 115.50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **5.5** | 9 | 2.1 | 50 | 15 | 10 |
| **6** | 10 | 2.4 | 50 | 17 | 10 |
| **7** | 11 | 2.8 | 50 | 19 | 10 |
| **8** | 12 | 3.5 | 50 | 20 | 10 |
| **10** | 14 | 4.2 | 50 | 29 | 10 |
| **12** | 17 | 5.6 | 50 | 40 | 10 |
| **13** | 18 | 6 | 50 | 50 | 10 |
| **14** | 19 | 6.4 | 50 | 60 | 10 |

| 115.50 (inch) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **1/4** | 10 | 1.8 | 50 | 17 | 10 |
| **1/4(DP2.4)** | 10 | 2.4 | 50 | 17 | 10 |
| **5/16** | 12 | 3.5 | 50 | 20 | 10 |
| **3/8** | 14 | 4.2 | 50 | 29 | 10 |
| **1/2** | 18 | 6 | 50 | 50 | 10 |

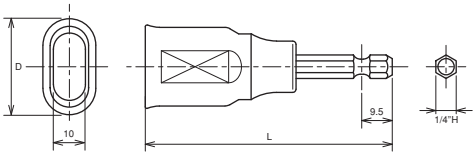
## ANBD007E

6-point Aluminium Nut Setters
Vasos Hex para Apretar Tuercas



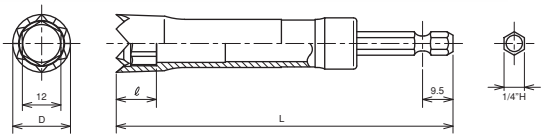

| ANBD007E (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **8** | 14 | 12 | 115 | 37 | 10 |
| **9** | 15 | 14 | 115 | 40 | 10 |
| **10** | 16 | 15 | 115 | 43 | 10 |
| **11** | 18 | 17 | 115 | 48 | 10 |
| **12** | 19 | 18 | 115 | 50 | 10 |
| **13** | 20 | 20 | 115 | 53 | 10 |
| **14** | 21 | 21 | 115 | 57 | 10 |
| **17** | 25 | 26 | 115 | 74 | 10 |
| **19** | 27 | 29 | 115 | 80 | 10 |
| **21** | 30 | 32 | 115 | 91 | 10 |

## BD003E-I




| | D (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|
| **BD003E-I** | 25 | 70 | 95 | 10 |

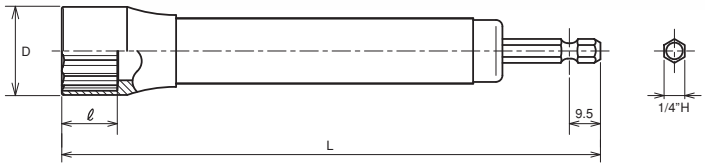
## BD013E




| BD013E (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **12** | 17.8 | 12.5 | 105 | 80 | 2 |

## BD008E-300 · -500 · -700 (12P)

12-point Nut Setters, extra long
Vasos Bihex para Apretar Tuercas



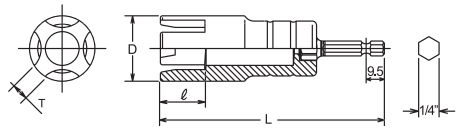

| BD008E.300 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New **17(12P)** | 22.5 | 17 | 300 | 154 | 2 |

| BD008E.500 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New **17(12P)** | 22.5 | 17 | 500 | 223 | 2 |

| BD008E.700 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| New **17(12P)** | 22.5 | 17 | 700 | 292 | 2 |

## BD017E

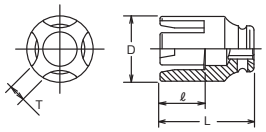
Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico



| | D (mm) | T (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|---|
| **BD017E** | 31 | 7.3 | 21 | 104 | 158 | 10 |

## BD018

Wing Bolt Socket
Vaso para Tuerca de Orejetas



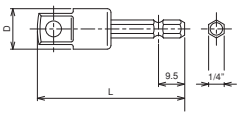

| | ◹ | D (mm) | T (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| **BD018** | 3/8" | 31 | 7.3 | 21 | 45 | 113 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1401A/B ➔P232-233

## BD023E

Adaptor
Adaptador

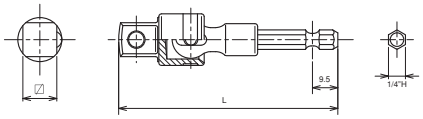
| | BD023E | ⍁ | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|---|---|
| New | 3/8 | 3/8" | 6.35 | 55 | 45 | 10 |
| New | 1/2 | 1/2" | 6.35 | 60 | 50 | 10 |




## BD024E

Universal Adaptors
Adaptadores Universal

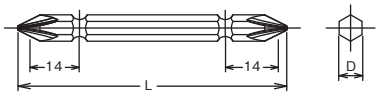
| BD024E | ⍁ | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|---|
| 3/8 | 3/8" | 6.35 | 78 | 70 | 10 |
| 1/2 | 1/2" | 6.35 | 82 | 75 | 10 |




## 123PN-65 · -110 · -150
## 123PG-65 · -110 · -150

Double ended Bits
Puntas Phillips, simétricas

Magnetic type




| 123PN.65 123PG.65 (PH) | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 65 | 13 | 10 |
| 2 | 6.35 | 65 | 13 | 10 |
| 3 | 6.35 | 65 | 14 | 10 |

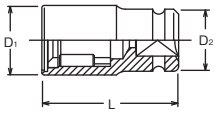
| 123PN.110 123PG.110 (PH) | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 110 | 25 | 10 |
| 2 | 6.35 | 110 | 25 | 10 |
| 3 | 6.35 | 110 | 26 | 10 |

| 123PN.150 123PG.150 (PH) | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|
| 1 | 6.35 | 150 | 36 | 10 |
| 2 | 6.35 | 150 | 36 | 10 |
| 3 | 6.35 | 150 | 37 | 10 |

Groove position: Japanese model

## BD004

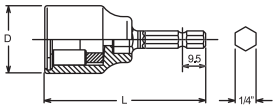
Impact Screw and Stud Setters
Vasos de Impacto para Atornillar Pernos y Espárragos




| BD004 (mm) | ⊿ | $D_1$ (mm) | $D_2$ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|
| **12.5×10** | 1/2" | 30 | 25 | 70 | 236 | 5 |
| **12.5×13** | | 38 | 30 | 75 | 388 | 3 |
| **12.5×16** | | 38 | 30 | 75 | 369 | 3 |
| **20 ×19** | 3/4" | 48 | 44 | 90 | 775 | 3 |
| **20 ×22** | | 48 | 44 | 90 | 752 | 3 |
| **20 ×25** | | 62 | 44 | 95 | 1184 | 2 |
| **20 ×29** | | 62 | 44 | 95 | 1148 | 2 |

## 162E

Stud Setters
Vasos de Atornillar Espárragos




| 162E (mm) | D (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|
| **10** | 27.9 | 66 | 107 | 10 |

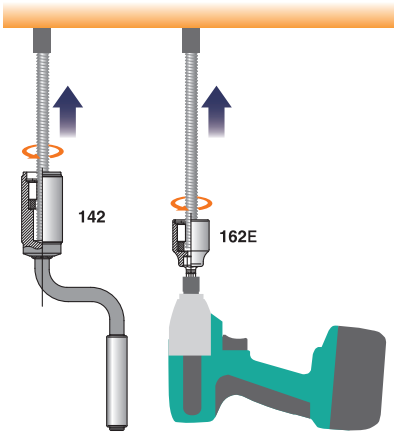
| 162E (inch) | D (mm) | L (mm) | ⚖ (g) | 🛍 (pcs.) |
|---|---|---|---|---|
| **1/4** | 23 | 66 | 83 | 10 |
| **5/16** | 23 | 66 | 82 | 10 |
| **3/8** | 27.9 | 66 | 107 | 10 |
| **1/2** | 27.9 | 66 | 108 | 10 |

*Renewal Kits → **162RK** ➡P279

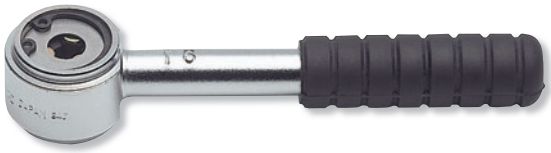
## 142

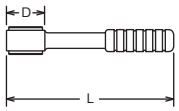
Stud Setters
Vasos de Atornillar Espárragos

| 142 (inch) | L (mm) | ⚖ (g) | 🛍 (pce.) |
|---|---|---|---|
| **5/16** | 190 | 304 | 1 |
| **3/8** | 190 | 361 | 1 |
| **1/2** | 190 | 354 | 1 |



## 141S Stud Puller Ratchets
Extractores de Espárragos de Carraca

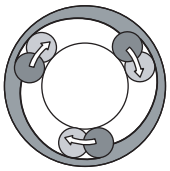





| 141S (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 120 | 150 | 1 |
| **8** | 28 | 120 | 150 | 1 |
| **10** | 32 | 120 | 153 | 1 |
| **12** | 32 | 120 | 152 | 1 |

| 141S (inch) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **5/16** | 28 | 120 | 150 | 1 |
| **3/8** | 32 | 120 | 153 | 1 |
| **1/2** | 32 | 120 | 152 | 1 |

## 141 Stud Puller Ratchets
Extractores de Espárragos de Carraca



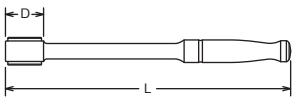
**Stud Puller Ratchet (141S/141/141P)**
The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño

| 141 (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 205 | 215 | 1 |
| **8** | 28 | 205 | 215 | 1 |
| **10** | 32 | 205 | 234 | 1 |
| **12** | 32 | 205 | 233 | 1 |

| 141 (inch) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **5/16** | 28 | 205 | 215 | 1 |
| **3/8** | 32 | 205 | 234 | 1 |
| **1/2** | 32 | 205 | 233 | 1 |

## 141P Stud Puller Ratchets
Extractores de Espárragos de Carraca



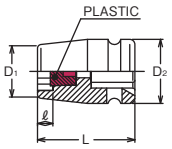

| 141P (mm) | D (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|
| **6** | 28 | 205 | 210 | 1 |
| **8** | 28 | 205 | 210 | 1 |
| **10** | 32 | 205 | 229 | 1 |
| **12** | 32 | 205 | 227 | 1 |

## 1201 Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca

| 1201 | 4 Pieces Set/⚖=973g |
|---|---|
| METAL CASE:W240×H100×T32mm | |
| Pullers | |
| **141S** Stud Puller Ratchets 6, 8, 10, 12 | |

## BD14400MJ

6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

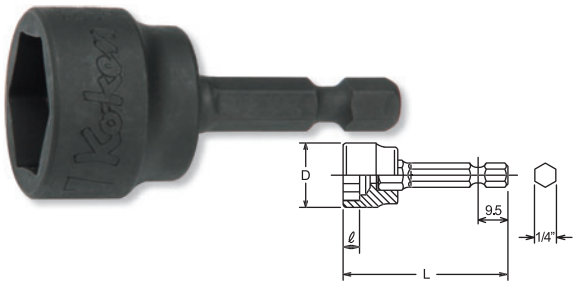



| BD-4400MJ (mm) | ⊿ | D1 (mm) | D2 (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) | |
|---|---|---|---|---|---|---|---|---|
| **13** | 1/2" | 20.7 | 25 | 5 | 38 | 140 | 10 | *1 |
| **15** | | 23.2 | 30 | 5 | 38 | 145 | 10 | *2 |
| **16** | | 24.5 | 30 | 6.5 | 38 | 145 | 10 | *2 |
| **17** | | 25.7 | 30 | 6.5 | 38 | 145 | 10 | *2 |
| **19** | | 28.2 | 30 | 7.5 | 38 | 145 | 10 | *2 |
| **21** | | 30.7 | 30 | 9 | 38 | 185 | 10 | *2 |
| **24** | | 34.5 | 30 | 10.5 | 38 | 190 | 10 | *2 |

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P232-233

## BD016E
## BD016E (SF)

6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

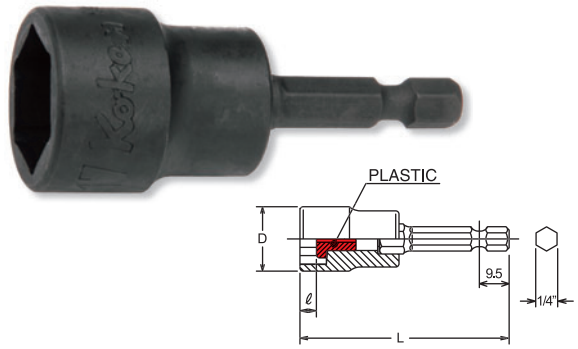



| BD016E (mm) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|---|
| **13** | 19.5 | 4 | 50 | 43 | 10 |
| **17** | 24.5 | 5 | 50 | 56 | 10 |
| **19** | 27 | 6 | 50 | 68 | 10 |

| BD016E (mm) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|---|
| **13SF** | 19.5 | 4 | 50 | 43 | 10 |
| **17SF** | 24.5 | 5 | 50 | 56 | 10 |
| **19SF** | 27 | 6 | 50 | 68 | 10 |

## BD016JE
## BD016JE (SF)

6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



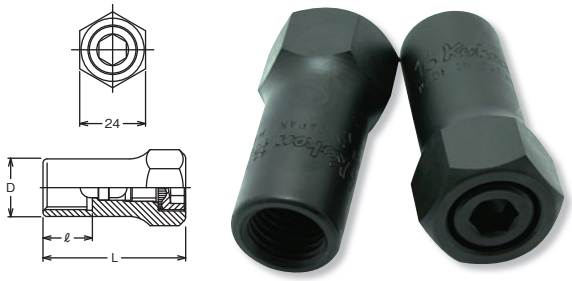

| BD016JE (mm) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|---|
| **13** | 19.5 | 5 | 60 | 66 | 10 |
| **17** | 24.5 | 6.5 | 60 | 80 | 10 |
| **19** | 27 | 7.5 | 60 | 90 | 10 |

| BD016JE (mm) | D (mm) | ℓ (mm) | L (mm) | ⚖ (g) | (pcs.) |
|---|---|---|---|---|---|
| **13SF** | 19.5 | 5 | 60 | 66 | 10 |
| **17SF** | 24.5 | 6.5 | 60 | 80 | 10 |
| **19SF** | 27 | 7.5 | 60 | 90 | 10 |

## HA001

Stud Setters
Vasos para Atornillar Espárragos

| HA001 | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **10(1.5)** | 15.5 | 13 | 47 | 90 | 10 |
| **12(1.25)** | 17.2 | 15 | 49 | 100 | 10 |
| **16(2.0)** | 21 | 18 | 52 | 125 | 10 |
| **20(2.5)** | 24.5 | 21 | 56 | 155 | 10 |
| **22(2.5)** | 26.5 | 27 | 61 | 175 | 10 |
| **24(3.0)** | 28 | 28 | 62 | 185 | 10 |
| **W3/8** | 14.8 | 13 | 47 | 90 | 10 |
| **W1/2** | 17.6 | 15 | 49 | 105 | 10 |

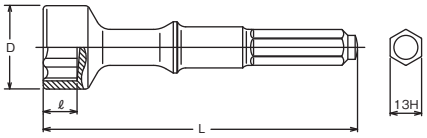



## HA002-130 · -160

Socket for HA001
Vaso para HA001

| HA002.130 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **24** | 34.5 | 14 | 130 | 246 | 10 |

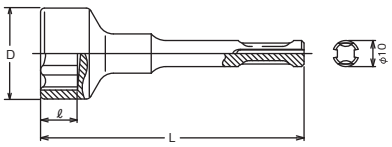
| HA002.160 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **24** | 34.5 | 14 | 160 | 465 | 10 |




## HA003-100

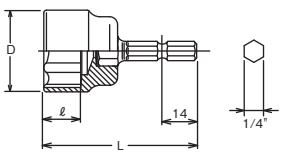
Socket for HA001
Vaso para HA001

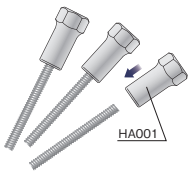
| HA003.100 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **24** | 34.5 | 14 | 100 | 155 | 10 |

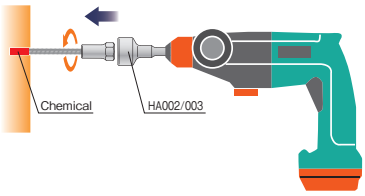


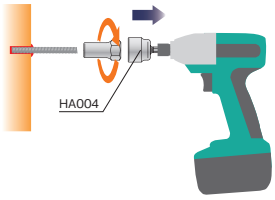

## HA004

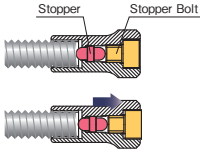
| HA004 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---|---|---|---|---|---|
| **24** | 31 | 16.5 | 58 | 91 | 10 |





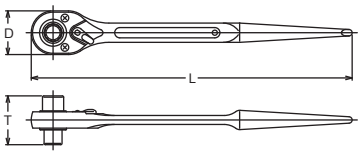



## 170S

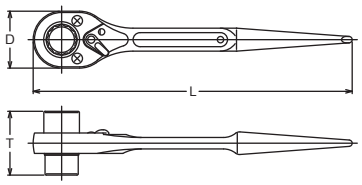
Spud Handle Ratchets
Llaves de Carraca con Mango de Cola




| 170S (mm) | D (mm) | T (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **10×12** | 34 | 38 | 250 | 260 | 1 |
| **12×14** | 34 | 38 | 250 | 260 | 1 |

## 171S

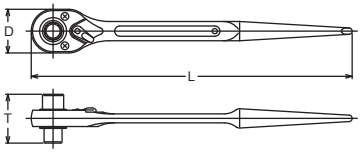
Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)




| 171S (mm) | D (mm) | T (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **14×17** | 44.6 | 50 | 250 | 460 | 1 |
| **17×19** | 44.6 | 50 | 250 | 460 | 1 |
| **17×21** | 44.6 | 50 | 250 | 460 | 1 |
| **19×21** | 44.6 | 50 | 250 | 460 | 1 |

## 171

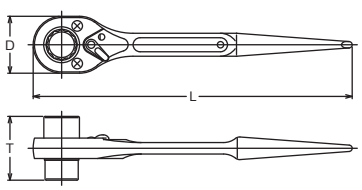
Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)




| 171 (mm) | D (mm) | T (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **14×17** | 44.6 | 50 | 380 | 630 | 1 |
| **17×19** | 44.6 | 50 | 380 | 630 | 1 |
| **17×21** | 44.6 | 50 | 380 | 630 | 1 |
| **19×21** | 44.6 | 50 | 380 | 630 | 1 |

## 172

Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

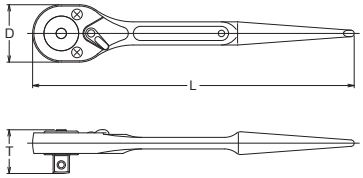



| 172 (mm) | D (mm) | T (mm) | L (mm) | (g) | (pce.) |
|---|---|---|---|---|---|
| **21×26** | 68 | 58 | 380 | 1100 | 1 |
| **22×24** | 68 | 58 | 380 | 1100 | 1 |
| **23×26** | 68 | 58 | 380 | 1100 | 1 |
| **24×27** | 68 | 58 | 380 | 1100 | 1 |
| **26×32** | 68 | 63 | 380 | 1100 | 1 |

## 171SB-1/2

Spud Handle Ratchet with Push Button(short)
Llave de Carraca con Mango de Cola con Botón(corta)

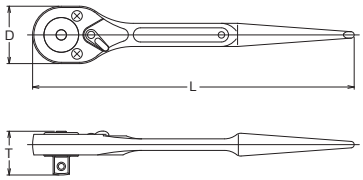
| | ☐ | D (mm) | T (mm) | L (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| 171SB-1/2 | 1/2" | 44.6 | 33 | 250 | 480 | 1 |




## 171B-1/2

Spud Handle Ratchet with Push Button(Long)
Llave de Carraca con Mango de Cola con Botón(larga)

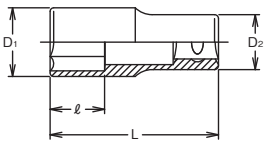
| | ☐ | D (mm) | T (mm) | L (mm) | ⚖ (g) | (pce.) |
|---|---|---|---|---|---|---|
| 171B-1/2 | 1/2" | 44.6 | 33 | 380 | 650 | 1 |




## 4300TW

6-point Sockets
Vasos Hexagonales

| 4300TW (mm) | ☐ | $D_1$ (mm) | $D_2$ (mm) | ℓ (mm) | L (mm) | ⚖ (g) | ◇ (pcs.) |
|---|---|---|---|---|---|---|---|
| 14 | 1/2" | 20.3 | 21 | 15 | 77 | 120 | 10 |
| 17 | | 24 | 21.8 | 18 | 77 | 130 | 10 |
| 19 | | 26.5 | 21.8 | 20 | 77 | 150 | 10 |
| 21 | | 29 | 21.8 | 23 | 77 | 150 | 10 |

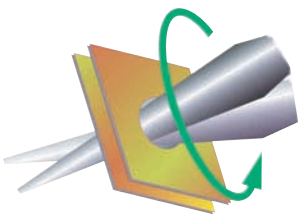


## 1205

Set
Juego

| 1205 | 5 Pieces Set/⚖=1,200g |
|---|---|
| BAG | |

| Sockets | Accessory |
|---|---|
| **4300TW** Sockets 14, 17, 19, 21 | **171B-1/2** |



Ko-ken welcomes customer enquiries for special tools.
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Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes.
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## Plastic Protector

Plastic Protector helps to prevent Scratching working surfaces.

# Renewal Kits

## 2749RK

## 2752RK 2752N

## 2753RK 2753N, 2753PS, 2753P, 2753P-160, 2753J, 2774PS, 2774JS, 2774N, 2774P, 2774J

## 2753BRK 2753NB, 2753PB, 2753JB

## 2725RK 2725Z, 2726Z

## 2749RK-3/8 2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8

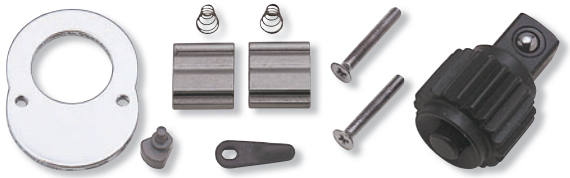
## 3749RK 3749S, 3749N

## 3749BRK 3749SB

## 3752RK 3752N, 3752J, 3757, 3776N, 3776P, 3776J

## 3753RK 3753SM, 3753N, 3753P, 3753P-250, 3753J, 3774PS, 3774D-SR D3753J, 3774N, 3774P, 3774J, 3774NL, 3774PL, 3774JL

## 3753BRK 3753SMB, 3753NB, 3753PB, 3753JB 3774NB, 3774PB, 3774JB, 3774JBL



## 3725RK 3725Z, 3725ZS, 3726Z, 3726ZS

## 168T-6IP(40) TORXPlus® 6IP Screwdriver for 2725RK

## 168T-8IP(40) TORXPlus® 8IP Screwdriver for 3725RK

| | | □ | ⚖ (g) | (pce.) |
|---|---|---|---|---|
| | 2749RK | 1/4" | 30 | 1 |
| | 2752RK | | 42 | 1 |
| | 2753RK | | 30 | 1 |
| | 2753BRK | | 31 | 1 |
| New | 2725RK | | 30 | 1 |
| | 2749RK-3/8 | 3/8" | 45 | 1 |
| | 3749RK | | 70 | 1 |
| | 3749BRK | | 84 | 1 |
| | 3752RK | | 84 | 1 |
| | 3753RK | | 76 | 1 |
| | 3753BRK | | 77 | 1 |
| New | 3725RK | | 50 | 1 |
| New | 168T-6IP(40) | — | 20 | 1 |
| New | 168T-8IP(40) | — | 20 | 1 |

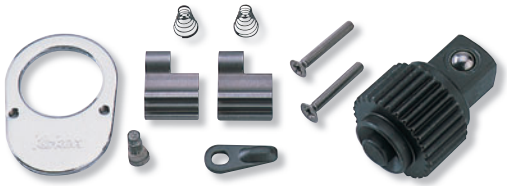
## 3749SRK-1/2 3749S-1/2

## 3749SBRK-1/2 3749SB-1/2

## 4749RK 4749N-250 4749N-380, 4749J-380

## 4750RK 4750N, 4750P, 4750J

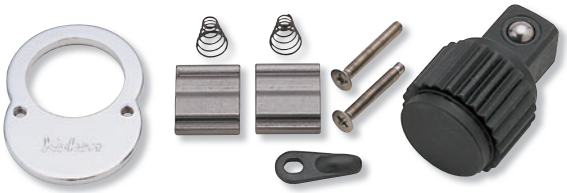
## 4750BRK 4750NB, 4750PB, 4750JB



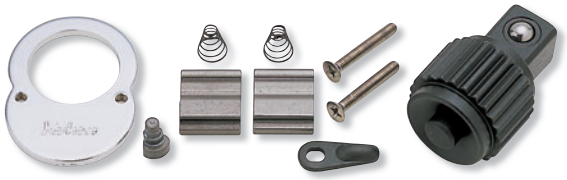
| | ⍁ | (g) | (pce.) |
|---|---|---|---|
| 3749SRK-1/2 | 1/2" | 120 | 1 |
| 3749SBRK-1/2 | | 120 | 1 |
| 4749RK | | 130 | 1 |
| 4750RK | | 130 | 1 |
| 4750BRK | | 130 | 1 |
| 4752RK | | 140 | 1 |
| 4753RK | | 130 | 1 |
| 4753BRK | | 130 | 1 |
| 6749RK | 3/4" | 580 | 1 |
| 6752RK | | 600 | 1 |
| 8749RK | 1" | 800 | 1 |

## 4752RK 4752N, 4752J

## 4753RK 4753N, 4753P, 4753P-410, 4753J, D4753J 4774N, 4774P, 4774P-450, 4774J



## 4753BRK 4753NB, 4753PB, 4753JB 4774NB, 4774PB, 4774JB



## 6749RK 6749, 6749-1000

## 6752RK 6752

## 8749RK 8749

## 2755RK

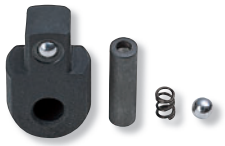
## 3755RK

## 4755RK

## 6755RK

| | ◻ | (g) | (pce.) |
|---|---|---|---|
| 2755RK | 1/4" | 40 | 1 |
| 3755RK | 3/8" | 98 | 1 |
| 4755RK | 1/2" | 137 | 1 |
| 6755RK | 3/4" | 550 | 1 |

## 2768RK 2768N, 2768P, 2768J



## 3768RK 3768N, 3768P, 3768J
## 3768ZRK 3768Z

## 4768RK 4768N, 4768P, 4768J, 4781N-450

## 6768RK 6768

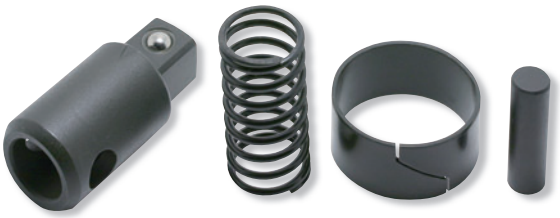
## 8768RK 8768

| | ◻ | (g) | (pce.) |
|---|---|---|---|
| 2768RK | 1/4" | 9 | 1 |
| 3768RK | 3/8" | 21 | 1 |
| New 3768ZRK | 3/8" | 21 | 1 |
| 4768RK | 1/2" | 60 | 1 |
| 6768RK | 3/4" | 175 | 1 |
| 8768RK | 1" | 475 | 1 |

## 3112RK

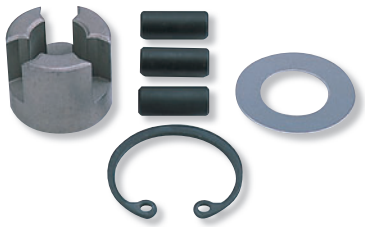
| | ☐ | (pce.) |
|---|---|---|
| 3112RK | 3/8" | 1 |
| 4112RK | 1/2" | 1 |
| 6112RK | 3/4" | 1 |

## 4112RK



## 6112RK

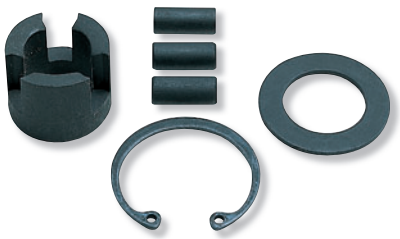
## 4100MRK
## 4100ARK



| 4100MRK (mm) | ☐ | (pce.) |
|---|---|---|
| 6 | 1/2" | 1 |
| 7 | | 1 |
| 8 | | 1 |
| 9 | | 1 |
| 10 | | 1 |
| 10.5 | | 1 |
| 11 | | 1 |
| 12 | | 1 |
| 14 | | 1 |
| 16 | | 1 |

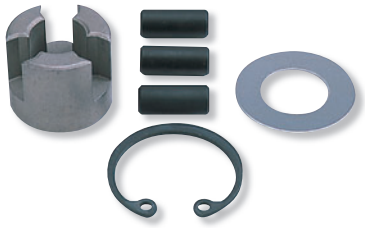
| 4100ARK (inch) | ☐ | (pce.) |
|---|---|---|
| 1/4 | 1/2" | 1 |
| 5/16 | | 1 |
| 3/8 | | 1 |
| 7/16 | | 1 |
| 1/2 | | 1 |
| 9/16 | | 1 |
| 5/8 | | 1 |

## 6100MRK



| 6100MRK (mm) | ☐ | (pce.) |
|---|---|---|
| 18 | 3/4" | 1 |
| 20 | | 1 |
| 22 | | 1 |
| 24 | | 1 |
| 27 | | 1 |
| 28 | | 1 |
| 29 | | 1 |
| 30 | | 1 |

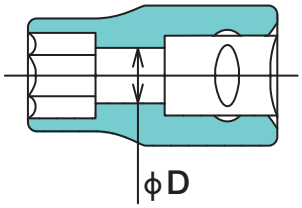
## 162RK

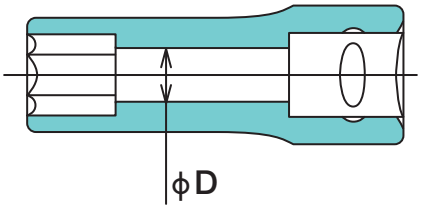


| | 162RK | (pce.) |
|---|---|---|
| New | 5/16 | 1 |
| New | 3/8 | 1 |
| New | 1/2 | 1 |
| New | 10 | 1 |

Standard Socket

Deep Socket

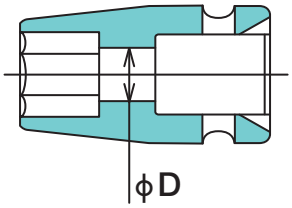


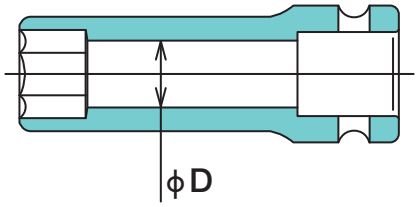




| SOCKET | | 1/4" | | 3/8" | | 1/2" | | 3/4" | | 1" |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Standard | Deep | Standard | Deep | Standard | Deep | Standard | Deep | Standard |
| ⬡ | | 2400M 2400A | 2300M 2300A | 3400M 3400A | 3300M 3300A | 4400M 4400A | 4300M 4300A | 6400M 6400A | 6300M 6300A | 8400M 8400A |
| ○ | | 2405M 2405A | 2305M 2305A | 3405M 3405A | 3305M 3305A | 4405M 4405A | 4305M 4305A | 6405M 6405A | 6305M 6305A | 8405M 8405A |
| (mm) | (inch) | ϕD | | | | | | | | |
| 3 | 1/8 | 2.5 | 2.5 | | | | | | | |
| 4 | | 3.5 | 3.5 | | | | | | | |
| 4.5 | | 4 | 4 | | | | | | | |
| 5 | 3/16 | 4 | 4.5 | | | | | | | |
| 5.5 | 7/32 | 4.5 | 5 | 4.5 | 5 | | | | | |
| 6 | 1/4 | 5 | 5 | 5 | 5 | | | | | |
| 7 | 9/32 | 5.5 | 6 | 5.5 | 6 | | | | | |
| 8 | 5/16 | 6 | 7 | 6 | 7 | 6 | 7 | | | |
| 9 | 11/32 | 7 | 8 | 7 | 8 | 7 | 8 | | | |
| 10 | 3/8 | 8 | 9 | 8 | 9 | 8 | 9 | | | |
| 11 | 7/16 | 9 | 10 | 9 | 10 | 9 | 10 | | | |
| 12 | | 10 | 11 | 10 | 11 | 10 | 11 | | | |
| 13 | 1/2 | 11 | 12 | 11 | 12 | 11 | 12 | | | |
| 14 | 9/16 | 12 | 13 | 12 | 13 | 12 | 13 | | | |
| 15 | 19/32 | | | 13 | 14 | 13 | 14 | | | |
| 16 | 5/8 | | | 14 | 15 | 14 | 15 | | | |
| 17 | 21/32 | | | 15 | 16 | 15 | 16 | 15 | 16 | |
| 18 | 11/16 | | | 15 | 17 | 15 | 17 | 15 | 17 | |
| 19 | 3/4 | | | 16 | 18 | 16 | 18 | 16 | 18 | |
| 20 | 25/32 | | | 17 | 19 | 17 | 19 | 17 | 19 | |
| 21 | 13/16 | | | 18 | 20 | 18 | 20 | 18 | 20 | |
| 22 | 7/8 | | | 19 | 21 | 19 | 21 | 19 | 21 | |
| 23 | | | | 20 | 22 | 20 | 22 | 20 | 22 | |
| 24 | 15/16 | | | 21 | 23 | 21 | 23 | 21 | 23 | |
| 25 | | | | | | 22 | 24 | 22 | 24 | |
| 26 | 1 | | | | | 23 | 25 | 23 | 25 | |
| 27 | 1- 1/16 | | | | | 23 | 26 | 23 | 26 | 23 |
| 28 | | | | | | 24 | 27 | 24 | 27 | 24 |
| 29 | 1- 1/8 | | | | | 24 | 28 | 24 | 28 | 24 |
| 30 | 1- 3/16 | | | | | 25 | 29 | 25 | 29 | 25 |
| 31 | | | | | | 26 | 30 | 26 | 30 | 26 |
| 32 | 1- 1/4 | | | | | 27 | 31 | 27 | 31 | 27 |
| 33 | 1- 5/16 | | | | | | | 28 | 32 | 28 |
| 34 | | | | | | | | 29 | 33 | 29 |
| 35 | 1- 3/8 | | | | | | | 30 | 34 | 30 |
| 36 | | | | | | | | 31 | 35 | 31 |
| 37 | 1- 7/16 | | | | | | | 31 | 36 | 31 |
| 38 | 1- 1/2 | | | | | | | 32 | 37 | 32 |
| 39 | | | | | | | | 32 | 38 | 32 |
| 40 | 1- 9/16 | | | | | | | 33 | 39 | 33 |
| 41 | 1- 5/8 | | | | | | | 34 | 40 | 34 |
| 42 | | | | | | | | 34 | 41 | 34 |
| 43 | 1-11/16 | | | | | | | 35 | 42 | 35 |
| 44 | 1- 3/4 | | | | | | | 36 | 43 | 36 |
| 45 | | | | | | | | 36 | 44 | 36 |
| 46 | 1-13/16 | | | | | | | 37 | 45 | 37 |
| 47 | | | | | | | | 38 | 46 | 38 |
| 48 | 1- 7/8 | | | | | | | 38 | 47 | 38 |
| | 1-15/16 | | | | | | | 39 | 48 | 39 |
| 50 | 2 | | | | | | | 40 | 49 | 40 |
| | 2- 1/16 | | | | | | | 40 | | |

Standard Socket

Deep Socket




| SOCKET | | 1/4"□ | 3/8"□ | | 1/2"□ | | 3/4"□ | | 1"□ | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Standard | Standard | Deep | Standard | Deep | Standard | Deep | Standard | Deep |
| ⬡ | | 12400M 12400A | 13400M 13400A | 13300M 13300A | 14400M 14400A | 14300M 14300A | 16400M 16400A | 16300M 16300A | 18400M 18400A | 18300M 18300A |
| (mm) | (inch) | ϕD | | | | | | | | |
| 4 | | 3 | | | | | | | | |
| 4.5 | 3/16 | 3 | | | | | | | | |
| 5 | | 4 | | | | | | | | |
| 5.5 | | 4 | | | | | | | | |
| 6 | 1/4 | 5 | 5 | 5 | | | | | | |
| 7 | 9/32 | 5 | 5 | 6 | | | | | | |
| 8 | 5/16 | 6 | 6 | 7 | 6 | 7 | | | | |
| 9 | 11/32 | 7 | 7 | 8 | 7 | 8 | | | | |
| 10 | 3/8 | 8 | 8 | 9 | 8 | 9 | | | | |
| 11 | 7/16 | 9 | 9 | 10 | 9 | 10 | | | | |
| 12 | | 10 | 10 | 11 | 10 | 11 | | | | |
| 13 | 1/2 | 11 | 11 | 12 | 11 | 12 | | | | |
| 14 | 9/16 | 12 | 12 | 13 | 12 | 13 | | | | |
| 15 | | | 13 | 14 | 13 | 14 | | | | |
| 16 | 5/8 | | 14 | 15 | 14 | 15 | | | | |
| 17 | 11/16 | | 14 | 16 | 14 | 16 | 14 | 16 | | |
| 18 | | | 15 | 17 | 15 | 17 | 15 | 17 | | |
| 19 | 3/4 | | 16 | 18 | 16 | 18 | 16 | 18 | 16 | 18 |
| 20 | | | 17 | 19 | 17 | 19 | 17 | 19 | 17 | 19 |
| 21 | 13/16 | | 18 | 20 | 18 | 20 | 18 | 20 | 18 | 20 |
| 22 | 7/8 | | 19 | 21 | 19 | 21 | 19 | 21 | 19 | 21 |
| 23 | | | 20 | | 20 | 22 | 20 | 22 | 20 | 22 |
| 24 | 15/16 | | | | 21 | 23 | 21 | 23 | 21 | 23 |
| 25 | 1 | | | | 22 | 24 | 22 | 24 | 22 | 24 |
| 26 | | | | | 23 | 25 | 23 | 25 | 23 | 25 |
| 27 | 1- 1/16 | | | | 23 | 26 | 23 | 26 | 23 | 26 |
| 28 | | | | | 24 | 27 | 24 | 27 | 24 | 27 |
| 29 | 1- 1/8 | | | | 25 | 28 | 25 | 28 | 25 | 28 |
| 30 | 1- 3/16 | | | | 26 | 29 | 26 | 29 | 26 | 29 |
| 31 | | | | | 27 | 30 | 27 | 30 | 27 | 30 |
| 32 | 1- 1/4 | | | | 28 | 31 | 28 | 31 | 28 | 31 |
| 33 | | | | | | | 29 | 32 | 29 | 32 |
| 34 | 1- 5/16 | | | | | | 30 | 33 | 30 | 33 |
| 35 | 1- 3/8 | | | | | | 31 | 34 | 31 | 34 |
| 36 | | | | | | | 32 | 35 | 32 | 35 |
| 37 | 1- 7/16 | | | | | | 32 | 36 | 32 | 36 |
| 38 | 1- 1/2 | | | | | | 34 | 37 | 34 | 37 |
| 40 | 1- 9/16 | | | | | | 34 | 39 | 34 | 39 |
| 41 | 1- 5/8 | | | | | | 35 | 40 | 35 | 40 |
| 42 | 1-11/16 | | | | | | 35 | 41 | 35 | 41 |
| 45 | 1- 3/4 | | | | | | 35 | 44 | 35 | 44 |
| 46 | 1-13/16 | | | | | | 40 | 45 | 40 | 45 |
| 47 | | | | | | | 40 | 46 | | |
| | 1- 7/8 | | | | | | 40 | 47 | | |

# Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

| Socket Opening | | Metric sizes | | | | | | | | | | | | American sizes | | | | | | | | | | | | | | | | | | English sizes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SW | Thread diameters | | | | | | | | | | | Thread diameters | | | | | | | | | | | | | | | | | | Thread Diam | | |
| | | | ISO R272-1968 | | German Standard | | | | French Standard | Swedish Standards | | | | | ISO R272-1962 | | | Nomal Series | | Heavy Series | | Nuts | | | Bolts and Screws | | | | | Nuts | | | | |
| | | | | | metric | | | | | | | | | | | | | | | | | | | | | | | | | | | W | BS | |
| minimum dimension 1) | maximum dimension 2) | nominal size of wrench mm | standard hexagon | small hexagon | DIN.....2) | DIN561+564 | DIN6914+6915 | Danish Stand DS 17 | NFE 27-111-19303 | Metric large SMS 1412 | Metric small SMS 1414 | Whitworth large SMS 1413 | Whitworth small SMS 1415 | Nominal Size of Wrench | Bolts | Nuts | Actual A/F | Bolts | Nuts | Bolts | Nuts | a Normal | b Square | c Heavy | d Normal | e Heavy | f Machine Screws | g Set Screws Square | h Machine Screw Nuts | Whitworth Large | BS 916, 1953 and BS 1083, 1968, 1965 | Width across flats inch |
| 2.52 | 2.58 | 2.5 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.02 | 3.08 | 3 | | | 1.2+1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.22 | 3.28 | 3.2 | 1.6 | | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.23 | 3.35 | | | | | | | | | | | | | 1/8 | No2 | | | | | | | | | | | No2+3 | | | | | | | |
| 3.52 | 3.60 | 3.5 | | | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.01 | 4.14 | | | | | | | | | | | | | 5/32 | | No0+1 | | | | | | | | | | | | No0+1 | | | | | |
| 4.02 | 4.12 | 4 | 2 | | 2 | | | | 2.5 | | 2.3 | | | | | | | | | | | | | | | | | | | | | | |
| 4.52 | 4.62 | 4.5 | | | 2.3 | | | | | | 2.6 | | | | | | | | | | | | | | | | | | | | | | |
| 4.83 | 4.95 | | | | | | | | | | | | | 3/16 | No3.4+5 | No2+3 | 19 | | | | | | | | | No4+5 | No10 | No2+3 | | | | | |
| 5.02 | 5.12 | 5 | 2.5 | | 2.5+2.6 | | | | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| 5.21 | 5.33 | | | | | | | | | | | | | 13/64 | | | | | | | | | | | | | | | | | | | |
| 5.52 | 5.62 | 5.5 | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.59 | 5.72 | | | | | | | | | | | | | 7/32 | | | | | | | | | | | | | No12 | | | | | | |
| 6.00 | 6.13 | | | | | | | | | | | | | 15/64 | | | | | | | | | | | | | | | | | | | |
| 6.03 | 6.15 | 6 | | | 3.5 | | | | 3.5 | 3 | 3.5 | | | | | | | | | | | | | | | | | | | | | | |
| 6.40 | 6.53 | | | | | | | | | | | | | 1/4 | No6+8 | No4 | 25 | | | | | | | | | No6+8 | 1/4 | No4 | | | | | |
| 6.60 | 6.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1/16 | | .256 | |
| 6.82 | 6.97 | | | | | | | | | | | | | 17/64 | | | | | | | | | | | | | | | | | | | |
| 7.03 | 7.15 | 7 | 4 | | 4 | | | | 4+4.5 | 3.5 | 4 | | | | | | | | | | | | | | | | | | | | | | |
| 7.19 | 7.32 | | | | | | | | | | | | | 9/32 | | | | | | | | | | No10 | | | | | | | | | |
| 7.60 | 7.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3/32 | | .297 | |
| 7.62 | 7.77 | | | | | | | | | | | | | 19/64 | | | | | | | | | | | | | | | | | | | |
| 8.03 | 8.18 | | | | | | | | | | | | | 5/16 | No10+12 | No5+6 | 31 | | | | | | | | | No10+12 | 5/16 | No5+6 | | | | | |
| 8.03 | 8.15 | 8 | 5 | | 5 | 6 | | | 5 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | |
| 8.41 | 8.56 | | | | | | | | | | | | | 21/64 | | | | | | | | | | | | | | | | | | | |
| 8.70 | 8.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1/8 | 3/16 | .340 | |
| 8.81 | 8.97 | | | | | | | | | | | | | 11/32 | | No8 | 34 | | | | | | | | | | | No8 | | | | | |
| 9.03 | 9.15 | 9 | | | 6 | | | | 5.5 | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 9.60 | 9.75 | | | | | | | | | | | | | 3/8 | | No10 | 38 | | | | | | | ※1/4 | | 1/4 | 3/8 | No10 | | | | | |
| 10.04 | 10.19 | 10 | 6 | | 6 | 8 | | | 6 | | 6 | | | | | | | | | | | | | | | | | | | | | | |
| 10.39 | 10.55 | | | | | | | | | | | | | 13/32 | | | | | | | | | | | | | | | | | | | |
| 11.04 | 11.19 | 11 | 7 | | 7 | | | 1/4 | | 6 | 7 | | 1/4 | | | | | | | | | | | | | | | | | | | | |
| 11.18 | 11.33 | | | | | | | | | | | | | 7/16 | 1/4 | No12.1/4 | 44 | 1/4 | 1/4 | | | 1/4 | 1/4 | | 1/4 | | | 7/16 | No12.1/4 | | | | |
| 11.38 | 11.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3/16 | 1/4 | .445 | |
| 11.99 | 12.14 | | | | | | | | | | | | | 15/32 | | | | | | | | | | | | | | | | | | | |
| 12.04 | 12.24 | 12 | | 8 | | | | | 7 | | 8 | | | | | | | | | | | | | | | | | | | | | | |
| 12.80 | 12.95 | | | | | | | | | | | | | 1/2 | 5/16 | 5/16 | 50 | 5/16 | 5/16 | | 1/4 | 5/16 | | 1/4 | 5/16 | | 5/16 | 1/2 | | | | | |
| 13.04 | 13.24 | 13 | 8 | | 8 | 10 | | | | | | 1/4 | 5/16 | | | | | | | | | | | | | | | | | | | | |
| 13.44 | 13.54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1/4 | 5/16 | .525 | |
| 13.60 | 13.77 | | | | | | | | | | | | | 17/32 | | | | | | | | | | | | | | | | | | | |
| 14.05 | 14.27 | 14 | | 10 | 8◊) | | | 5/16 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 14.38 | 14.55 | | | | | | | | | | | | | 9/16 | 3/8 | 3/8 | 56 | 3/8 | 3/8 | | 5/16 | 3/8 | 5/16 | 5/16 | 3/8 | | 3/8 | 9/16 | 5/16 | | | | |
| 15.05 | 15.27 | 15 | | | 10◊) | | | | | | 10 | 5/16 | 3/8 | | | | | | | | | | | | | | | | | | | | |
| 15.18 | 15.36 | | | | | | | | | | | | | 19/32 | | | | | | | | | | | | | | | | | | | |
| 15.34 | 15.44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5/16 | 3/8 | .600 | |
| 15.98 | 16.15 | | | | | | | | | | | | | 5/8 | 7/16 | | 62 | 7/16 | | | | 3/8 | | 7/16 | | | 5/8 | 3/8 | | | | | |
| 16.05 | 16.27 | 16 | Spark plug M10x1.0 | | | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16.77 | 16.95 | | | | | | | | | | | | | 21/32 | | | | | | | | | | | | | | | | | | | |
| 17.05 | 17.30 | 17 | 10 | 12 | 10 | 12 | | 3/8 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | |
| 17.58 | 17.75 | | | | | | | | | | | | | 11/16 | | 7/16 | 69 | | 7/16 | | 3/8 | 7/16 | | 3/8 | | | | | | | | | |
| 18.05 | 18.30 | 18 | Spark plug M12x1.25 | | | | | | | | 12 | 3/8 | 7/16 | | | | | | | | | | | | | | | | | | | | |
| 18.16 | 18.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3/8 | 7/16 | .710 | |
| 19.06 | 19.36 | 19 | 12 | 14 | 12 | 16 | | 7/16 | 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19.18 | 19.38 | | | | | | | | | | | | | 3/4 | 1/2 | 1/2 | 75 | 1/2 | 1/2 | | 7/16 | 1/2 | 7/16 | 7/16 | 1/2 | | | 3/4 | | | | | |
| 19.97 | 20.17 | | | | | | | | | | | | | 25/32 | | | | | | | | | | | | | | | | | | | |
| 20.06 | 20.36 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.78 | 20.98 | | | | | | | | | | | | | 13/16 | 9/16 | | 81 | 9/16 | | | | 1/2 | | 9/16 | | | | | | | | | |
| 20.86 | 21.16 | 20.8 | Spark plug M14x1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.95 | 21.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7/16 | 1/2 | .820 | |
| 21.06 | 21.36 | 21 | | | | | | | 12 | | 14 | 7/16 | 1/2 | | | | | | | | | | | | | | | | | | | | |
| 22.06 | 22.36 | 22 | 14 | 16 | 14 | | 12 | 1/2 | | 12+14 | | | | | | | | | | | | | | | | | | | | | | | |
| 22.35 | 22.56 | | | | | | | | | | | | | 7/8 | | 9/16 | 88 | | 9/16 | 1/2 | 1/2 | 9/16 | 9/16 | 1/2 | | | 7/8 | | | | | | |
| 23.06 | 23.36 | 23 | | | | | | | 14 | | | 1/2 | | | | | | | | | | | | | | | | | | | | | |
| 23.52 | 23.67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1/2 | 9/16 | .920 | |
| 23.98 | 24.21 | | | | | | | | | | | | | 15/16 | 5/8 | 5/8 | 94 | 5/8 | 5/8 | | | 5/8 | | 9/16 | 5/8 | | | | | | | | |
| 24.06 | 24.36 | 24 | 16 | 18 | 16 | 20 | | | | | 16 | | 5/8 | | | | | | | | | | | | | | | | | | | | |
| 24.76 | 24.99 | | | | | | | | | | | | | 31/32 | | | | | | | | | | | | | | | | | | | |
| 25.06 | 25.36 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25.55 | 25.78 | | | | | | | | | | | | | 1 | | | 100 | | | | | | 5/8 | | | | 1 | | | | | | |
| 25.81 | 25.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9/16 | 5/8 | 1.010 | |
| 26.08 | 26.48 | 26 | Spark plug M18x1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27.08 | 27.48 | 27 | 18 | 20 | 18 | | 16 | 5/8 | | 16 | 18 | | | | | | | | | | | | | | | | | | | | | | |
| 27.13 | 27.36 | | | | | | | | | | | | | 1 1/16 | | | 106 | | | 5/8 | 5/8 | | | 5/8 | | | | | | | | | |
| 28.12 | 28.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5/8 | 11/16 | 1.100 | |
| 28.08 | 28.48 | 28 | | | | | | | | | | 5/8 | 3/4 | | | | | | | | | | | | | | | | | | | | |
| 28.75 | 29.01 | | | | | | | | | | | | | 1 1/8 | 3/4 | 3/4 | 112 | 3/4 | 3/4 | | | 3/4 | 3/4 | | 3/4 | | | 1 1/8 | | | | | |
| 29.08 | 29.48 | 29 | | | | | | | 18 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30.08 | 30.48 | 30 | 20 | 22 | 20 | 24 | | | | | 20 | | | | | | | | | | | | | | | | | | | | | | |
| 30.34 | 30.59 | | | | | | | | | | | | | 1 3/16 | | | | | | | | | | | | | | | | | | | |
| 30.66 | 30.84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11/16 | 3/4 | 1.200 | |
| 31.93 | 32.18 | | | | | | | | | | | | | 1 1/4 | | | 125 | | | 3/4 | 3/4 | | | 3/4 | | | | 1 1/4 | | | | | |
| 32.08 | 32.48 | 32 | 22 | 24 | 22 | | 20 | 3/4 | 20 | 18+20 | 22 | | | | | | | | | | | | | | | | | | | | | | |
| 33.08 | 33.48 | 33 | | | | | | | | | | 3/4 | 7/8 | | | | | | | | | | | | | | | | | | | | |
| 33.22 | 33.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3/4 | 7/8 | 1.300 | |
| 33.53 | 33.81 | | | | | | | | | | | | | 1 5/16 | 7/8 | 7/8 | 131 | 7/8 | 7/8 | | | 7/8 | 7/8 | | 7/8 | | | | | | | | |
| 34.08 | 34.48 | 34 | | | | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | |
| 35.10 | 35.60 | 35 | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| 35.13 | 35.41 | | | | | | | | | | | | | 1 3/8 | | | | | | | | | | | | | | 1 3/8 | | | | | |
| 35.51 | 35.71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13/16 | 15/16 | 1.390 | |
| 36.10 | 36.60 | 36 | 24 | 27 | 24 | 30 | 22 | 7/8 | | 22+24 | | | | | | | | | | | | | | | | | | | | | | | |

# Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

| Socket Opening | | Metric sizes | | | | | | | | | | | | American sizes | | | | | | | | | | | | | | | | | | English sizes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SW | Thread diameters | | | | | | | | | | | | Thread diameters | | | | | | | | | | | | | | | | | | Thread Diam | | |
| | | | ISO R272-1968 | | German Standard | | | | | French Standard | Swedish Standards | | | | | ISO R272-1962 | | | | | | | | | | | | | | | | | | W | BS | |
| | | | | | metric | | | | | | | | | | | | | | Nomal Series | | Heavy Series | | Nuts | | | Bolts and Screws | | | | Nuts | | | | | |
| minimum dimension 1) | maximum dimension 2) | nominal size of wrench mm | standard hexagon | small hexagon | DIN.....2) | DIN561+564 | DIN6914+6915 | Danish Stand DS 17 | NFE 27-111-19303) | Metric large SMS 1412 | Metric small SMS 1414 | Whitworth large SMS 1413 | Whitworth small SMS 1415 | Nominal Size of Wrench | Bolts | Nuts | Actual A/F | Bolts | Nuts | Bolts | Nuts | Normal a | Square b | Heavy c | Normal d | Heavy e | Machine Screws f | Set Screws Square g | Machine Screw Nuts h | Whitworth Large | BS 916, 1953 and BS 1083, 1968, 1965 | Width across flats inch |
| 36.73 | 37.01 | | | | | | | | | | | | | 1 7/16 | | | 144 | | | 7/8 | 7/8 | | | 7/8 | | 7/8 | | | | | | | | |
| 37.10 | 37.60 | 37 | | | | | | | | | | 7/8 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 37.82 | 38.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7/8 | 1 | 1.480 |
| 38.10 | 38.60 | 38 | | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38.30 | 38.61 | | | | | | | | | | | | | 1 1/2 | 1 | 1 | 150 | 1 | 1 | | | 1 | 1 | | 1 | | | 1 1/2 | | | | | |
| 39.89 | 40.20 | | | | | | | | | | | | | 1 9/16 | | | | | | | | | | | | | | | | | | | | |
| 40.36 | 40.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15/16 | 1 1/16 | 1.580 |
| 41.10 | 41.60 | 41 | 27 | 30 | 27 | | 24 | 1 | | 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 41.50 | 41.81 | | | | | | | | | | | | | 1 5/8 | | | 162 | | | 1 | 1 | | | 1 | | 1 | | | | | | | | |
| 42.10 | 42.60 | 42 | | | | | | | 27 | | | 1 | 1 1/8 | | | | | | | | | | | | | | | | | | | | | |
| 42.67 | 42.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1/8 | 1.670 |
| 43.08 | 43.38 | | | | | | | | | | | | | 1 11/16 | 1 1/8 | 1 1/8 | 169 | 1 1/8 | 1 1/8 | | | 1 1/8 | 1 1/8 | | 1 1/8 | | | | | | | | | |
| 44.70 | 45.03 | | | | | | | | | | | | | 1 3/4 | | | | | | | | | | | | | | | | | | | | |
| 46.10 | 46.60 | 46 | 30 | 33 | 30 | 36 | 27 | 1 1/8 | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | |
| 46.28 | 46.61 | | | | | | | | | | | | | 1 13/16 | | | 181 | | | 1 1/8 | 1 1/8 | | | 1 1/8 | | 1 1/8 | | | | | | | | |
| 47.10 | 47.60 | 47 | | | | | | | | | | 1 1/8 | 1 1/4 | | | | | | | | | | | | | | | | | | | | | |
| 47.52 | 47.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1/8 | 1 1/4 | 1.860 |
| 47.88 | 48.21 | | | | | | | | | | | | | 1 7/8 | 1 1/4 | 1 1/4 | 188 | 1 1/4 | 1 1/4 | | | 1 1/4 | 1 1/4 | | 1 1/4 | | | | | | | | | |
| 50.10 | 50.60 | 50 | 33 | 36 | 33 | | | 1 1/4 | 33 | 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 51.08 | 51.44 | | | | | | | | | | | | | 2 | | | 200 | | | 1 1/4 | 1 1/4 | | | 1 1/4 | | 1 1/4 | | | | | | | | |
| 52.10 | 52.60 | 52 | | | | | | | | | | 1 1/4 | 1 3/8 | | | | | | | | | | | | | | | | | | | | | |
| 52.37 | 52.68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1/4 | 1 3/8 | 2.050 |
| 52.68 | 53.04 | | | | | | | | | | | | | 2 1/16 | 1 3/8 | 1 3/8 | 206 | 1 3/8 | 1 3/8 | | | 1 3/8 | 1 3/8 | | 1 3/8 | | | | | | | | | |
| 54.12 | 54.72 | 54 | | | | | | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54.25 | 54.61 | | | | | | | | | | | | | 2 1/8 | | | | | | | | | | | | | | | | | | | | |
| 55.12 | 55.72 | 55 | 36 | 39 | 36 | 42 | | 1 3/8 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.88 | 56.26 | | | | | | | | | | | | | 2 3/16 | | | 219 | | | 1 3/8 | 1 3/8 | | | 1 3/8 | | 1 3/8 | | | | | | | | |
| 56.12 | 56.72 | 56 | | | | | | | | | | 1 3/8 | 1 1/2 | | | | | | | | | | | | | | | | | | | | | |
| 56.72 | 57.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3/8 | 1 1/2 | 2.220 |
| 57.45 | 57.84 | | | | | | | | | | | | | 2 1/4 | 1 1/2 | 1 1/2 | 225 | 1 1/2 | 1 1/2 | | | 1 1/2 | 1 1/2 | | 1 1/2 | | | | | | | | | |
| 58.12 | 58.72 | 58 | | | | | | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60.12 | 60.72 | 60 | 39 | | 39 | | | 1 1/2 | | 39 | | 1 1/2 | 1 5/8 | | | | | | | | | | | | | | | | | | | | | |
| 60.66 | 61.06 | | | | | | | | | | | | | 2 3/8 | | | 238 | | | 1 1/2 | 1 1/2 | | | 1 1/2 | | 1 1/2 | | | | | | | | |
| 61.57 | 61.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1/2 | 1 5/8 | 2.410 |
| 62.23 | 62.64 | | | | | | | | | | | | | 2 7/16 | | | | | | | | | | | | 1 5/8 | | | | | | | | |
| 63.12 | 63.72 | 63 | | | | | | | 42 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63.83 | 64.24 | | | | | | | | | | | | | 2 1/2 | | | | | | | | | | | | | | | | | | | | |
| 65.12 | 65.72 | 65 | 42 | | 42 | 48 | | 1 3/8 | | 42 | | 1 5/8 | 1 3/4 | | | | | | | | | | | | | | | | | | | | | |
| 65.43 | 65.86 | | | | | | | | | | | | | 2 9/16 | | | 256 | | | | | | | 1 5/8 | | 1 5/8 | | | | | | | | |
| 65.91 | 66.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 5/8 | 1 3/4 | 2.580 |
| 67.03 | 67.46 | | | | | | | | | | | | | 2 5/8 | 1 3/4 | 1 3/4 | 262 | 1 3/4 | 1 3/4 | | | | | | 1 3/4 | | | | | | | | | |
| 67.12 | 67.72 | 67 | | | | | | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70.12 | 70.72 | 70 | 45 | | 45 | | | 1 3/4 | | 45 | | 1 3/4 | 1 7/8 | | | | | | | | | | | | | | | | | | | | | |
| 70.26 | 70.69 | | | | | | | | | | | | | 2 3/4 | | | 275 | | | 1 3/4 | 1 3/4 | | | 1 3/4 | | 1 3/4 | | | | | | | | |
| 70.51 | 70.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3/4 | 2 | 2.760 |
| 71.12 | 71.72 | 71 | | | | | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71.81 | 72.26 | | | | | | | | | | | | | 2 13/16 | | | | | | | | | | | 1 7/8 | | | | | | | | | |
| 75.03 | 75.51 | | | | | | | | | | | | | 2 15/16 | | | 294 | | | | | | | 1 7/8 | | 1 7/8 | | | | | | | | |
| 75.15 | 75.85 | 75 | 48 | | 48 | 56 | | 1 7/8 | | 48 | | 1 7/8 | 2 | | | | | | | | | | | | | | | | | | | | | |
| 76.61 | 77.09 | | | | | | | | | | | | | 3 | 2 | 2 | 300 | 2 | 2 | | | | | | 2 | | | | | | | | | |
| 77.15 | 77.85 | 77 | | | | | | | 52 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79.81 | 80.31 | | | | | | | | | | | | | 3 1/8 | | | 312 | | | 2 | 2 | | | 2 | | 2 | | | | | | | | |
| 80.15 | 80.85 | 80 | 52 | | 52 | | | 2 | 52 | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 80.47 | 80.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1/4 | 3.150 |
| 82.15 | 82.85 | 82 | | | | | | | 56 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85.15 | 85.85 | 85 | 56 | | 56 | | | 2 1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86.18 | 86.72 | | | | | | | | | | | | | 3 3/8 | | | | | | | | | | | 2 1/4 | | | | | | | | | |
| 88.15 | 88.85 | 88 | | | | | | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89.36 | 89.92 | | | | | | | | | | | | | 3 1/2 | | | | | | | | | | 2 1/4 | | 2 1/4 | | | | | | | | |
| 90.15 | 90.85 | 90 | 60 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90.60 | 91.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1/2 | 3.550 |
| 94.15 | 94.85 | 94 | | | | | | | 64 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95.15 | 95.85 | 95 | 64 | | 64 | | | 2 1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95.76 | 96.34 | | | | | | | | | | | | | 3 3/4 | | | | | | | | | | | 2 1/2 | | | | | | | | | |
| 98.93 | 99.52 | | | | | | | | | | | | | 3 7/8 | | | | | | | | | | 2 1/2 | | 2 1/2 | | | | | | | | |
| 99.20 | 99.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3/4 | 3.890 |
| 100.15 | 100.85 | 100 | 68 | | 68 | | | | 68 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105.20 | 106.00 | 105 | 72 | | 72 | | | 2 3/4 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105.33 | 105.67 | | | | | | | | | | | | | 4 1/8 | | | | | | | | | | 2 3/4 | | | | | | | | | | |
| 106.60 | 107.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 4.180 |
| 108.51 | 109.14 | | | | | | | | | | | | | 4 1/4 | | | | | | | | | | 2 3/4 | | | | | | | | | | |
| 110.20 | 111.00 | 110 | 96 | | 76 | | | 3 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 114.91 | 115.57 | | | | | | | | | | | | | 4 1/2 | | | | | | | | | | | 3 | | | | | | | | | |
| 115.20 | 116.00 | 115 | 80 | | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 116.20 | 117.00 | 116 | | | | | | | 80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 118.08 | 118.77 | | | | | | | | | | | | | 4 5/8 | | | | | | | | | | 3 | | 3 | | | | | | | | |
| 120.20 | 121.00 | 120 | 85 | | 85 | | | 3 1/4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

1) max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963

ANSI B 18.2.2-1972

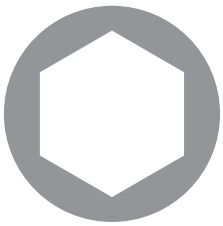
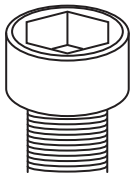
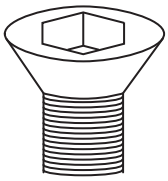
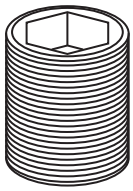
a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
b) Square Nuts
c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Slotted Nuts

ANSI B 18.2.1-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

f) ANSI B 18.6.3-1962
g) ANSI B 18.6.2-1956
h) ANSI B 18.6.3-1962
※ Square Bolt and Lag Screw only

# Socket Screw Data Chart

| METRIC Sizes | | | | |
|---|---|---|---|---|
| SW nominal size of wrench (mm) | Socket Head Cap Screws ISO4762 | Socket Button Head Screws ISO7380 | Socket Head Shoulder Screws ISO7379 | Socket Set Screws ISO 4026,4027 4028,4029 |
| 0.7 | - | - | - | M1.4<br>M1.6<br>M1.8 |
| 0.9 | - | - | - | M2 |
| 1.3 | M1.4 | - | - | M2.5 |
| 1.5 | M1.6<br>M2 | - | - | M3 |
| 2 | M2.5 | M3 | M3 | M4 |
| 2.5 | M3 | M4 | M4 | M5 |
| 3 | M4 | M5 | M5 | M6 |
| 4 | M5 | M6 | M6 | M8 |
| 5 | M6 | M8 | M8 | M10 |
| 6 | M8 | M10 | M10 | M12<br>M14 |
| 7 | - | - | - | - |
| 8 | M10 | M12 | M12 | M16 |
| 10 | M12 | M16 | M16 | M20 |
| 12 | M14 | - | M20 | M24 |
| 14 | M16 | - | - | - |
| 17 | M20 | - | - | - |
| 19 | M24 | - | - | - |
| 22 | M30 | - | - | - |
| 24 | M33 | - | - | - |
| 27 | M36 | - | - | - |

| SW nominal size of wrench | | AMERICAN Sizes ANSI B 18.3 : 1986 | | | | BRITISH Sizes BS 2470 : 1973 | | | |
|---|---|---|---|---|---|---|---|---|---|
| (inch) | (mm) | Cap Screws 1960 series | Flat and Button Head Cap Screws | Shoulder Screws | Set Screws | Cap Screws | Flat and Button Head Cap Screws | Shoulder Screws | Set Screws |
| .028 dec. in. | 0.7 | - | - | - | No.0<br>No.1 | - | - | - | No.0 |
| .035 dec. in. | 0.9 | - | No.0 | - | No.2 | - | No.0 | - | No.1<br>No.2 |
| .050 dec. in. | 1.3 | No.0 | No.1<br>No.2 | - | No.3<br>No.4 | No.0<br>No.1 | No.1<br>No.2 | - | No.3<br>No.4<br>6 BA |
| 1/16 | 1.59 | No.1 | No.3<br>No.4 | - | No.5<br>No.6 | No.2 | No.3<br>No.4 | - | No.5<br>No.6<br>4 BA<br>5 BA |
| 5/64 | 1.98 | No.2<br>No.3 | No.5<br>No.6 | - | No.8 | No.3<br>No.4<br>6 BA | No.5<br>No.6 | - | No.8<br>3 BA |
| 3/32 | 2.38 | No.4<br>No.5 | No.8 | - | No.10 | No.5<br>No.6<br>4 BA<br>5 BA | No.8 | - | No.10<br>1 BA<br>2 BA<br>3/16 |
| 7/64 | 2.78 | No.6 | - | - | - | - | - | - | - |
| 1/8 | 3.18 | - | No.10 | 1/4 | 1/4 | No.8<br>3 BA | No.10 | 1/4 | 0 BA<br>1/4 |
| 9/64 | 3.57 | No.8 | - | - | - | - | - | - | - |
| 5/32 | 3.97 | No.10 | 1/4 | 5/16 | 5/16 | No.10<br>1 BA<br>2 BA<br>3/16 | 1/4 | 5/16 | 5/16 |
| 3/16 | 4.76 | 1/4 | 5/16 | 3/8 | 3/8 | 0 BA<br>1/4 | 5/16 | 3/8 | BSPF1/8<br>3/8 |
| 7/32 | 5.56 | - | 3/8 | - | 7/16 | 5/16 | 3/8 | - | 7/16 |
| 1/4 | 6.35 | 5/16 | 7/16 | 1/2 | 1/2 | - | 7/16 | 1/2 | BSPF1/4<br>1/2 |
| 5/16 | 7.94 | 3/8 | 1/2 | 5/8 | 5/8 | 3/8<br>7/16 | 1/2 | 5/8 | BSPF3/8<br>5/8 |
| 3/8 | 9.53 | 7/16<br>1/2 | 5/8 | 3/4 | 3/4 | 1/2 | 5/8 | 3/4 | BSPF1/2<br>3/4 |
| | | | Only Flat Head | | | | | | |
| 1/2 | 12.7 | 5/8 | 3/4 | 1 | 7/8 | 5/8 | 3/4 | - | BSPF5/8<br>7/8 |
| 9/16 | 14.29 | - | 7/8 | - | 1<br>1 1/8 | 3/4<br>7/8 | - | - | BSPF3/4<br>1 |
| 5/8 | 15.88 | 3/4 | 1 | 1 1/4 | 1 1/4<br>1 3/8 | 1 | - | - | - |
| 3/4 | 19.05 | 7/8<br>1 | 1 1/8 | - | 1 1/2 | - | - | - | - |
| 7/8 | 22.23 | 1 1/8<br>1 1/4 | 1 1/4<br>1 3/8 | 1 1/2 | - | - | - | - | - |
| 1 | 25.4 | 1 3/8<br>1 1/2 | 1 1/2 | 1 3/4 | 1 3/4<br>2 | - | - | - | - |

# TORX® / TORX plus® / PENTA-LOBE / LHstix® / XZN / Ribe CV Data Chart

## TORX® / TORX plus® BITS

| | | |
|---|---|---|
| T6 | 6IP | 1.6 |
| T7 | 7IP | 2.0 |
| T8 | 8IP | 2.3 |
| T9 | 9IP | 2.5 |
| T10 | 10IP | 2.7 |
| T15 | 15IP | 3.3 |
| T20 | 20IP | 3.8 |
| T25 | 25IP | 4.4 |
| T27 | 27IP | 5.0 |
| T30 | 30IP | 5.5 |
| T40 | 40IP | 6.6 |
| T45 | 45IP | 7.8 |
| T50 | 50IP | 8.8 |
| T55 | 55IP | 11.2 |
| T60 | 60IP | 13.2 |
| T70 | 70IP | 15.5 |
| T80 | 80IP | 17.5 |
| T90 | 90IP | 19.9 |
| T100 | 100IP | 22.1 |

## TORX® / TORX plus® SOCKETS

| | | |
|---|---|---|
| E4 | 4EP | 3.8 |
| E5 | 5EP | 4.7 |
| E6 | 6EP | 5.7 |
| E7 | 7EP | 6.2 |
| E8 | 8EP | 7.5 |
| E10 | 10EP | 9.4 |
| E11 | 11EP | 10.0 |
| E12 | 12EP | 11.1 |
| E14 | 14EP | 12.9 |
| E16 | 16EP | 14.7 |
| E18 | 18EP | 16.6 |
| E20 | 20EP | 18.4 |
| E22 | 22EP | 20.2 |
| E24 | 24EP | 22.1 |
| E26 | 26EP | 23.9 |
| E28 | 28EP | 25.7 |
| E30 | 30EP | 27.4 |
| E32 | 32EP | 29.2 |

## PENTA-LOBE BITS

| | |
|---|---|
| 8PR | 2.2 |
| 9PR | 2.4 |
| 10PR | 2.6 |
| 15PR | 3.1 |
| 20PR | 3.6 |
| 25PR | 4.1 |
| 27PR | 4.7 |
| 30PR | 5.2 |
| 40PR | 6.3 |
| 45PR | 7.4 |
| 50PR | 8.4 |
| 55PR | 10.6 |

## LHstix® (LH-S) SOCKETS

| | |
|---|---|
| LH3S | 3.8 |
| LH4S | 4.5 |
| LH5S | 5.6 |
| LH6S | 6.8 |
| LH7S | 7.9 |
| LH8S | 9.0 |
| LH10S | 11.3 |
| LH12S | 13.6 |
| LH14S | 15.8 |
| LH16S | 18.1 |

## XZN BITS

| | |
|---|---|
| M4 | 3.6 |
| M5 | 4.8 |
| M6 | 6.0 |
| M8 | 7.2 |
| M10 | 9.6 |
| M12 | 11.4 |
| M14 | 13.2 |
| M16 | 15.6 |
| M18 | 16.9 |

## Ribe CV BITS

| | | |
|---|---|---|
| M5 | 5.0 | 1.1 |
| M6 | 6.0 | 1.3 |
| M7 | 7.0 | 1.4 |
| M8 | 8.0 | 1.7 |
| M9 | 9.0 | 1.9 |
| M10 | 10.0 | 2.2 |
| M12 | 12.0 | 2.6 |
| M13 | 13.0 | 3.0 |
| M14 | 14.0 | 3.1 |
| M16 | 16.0 | 3.5 |

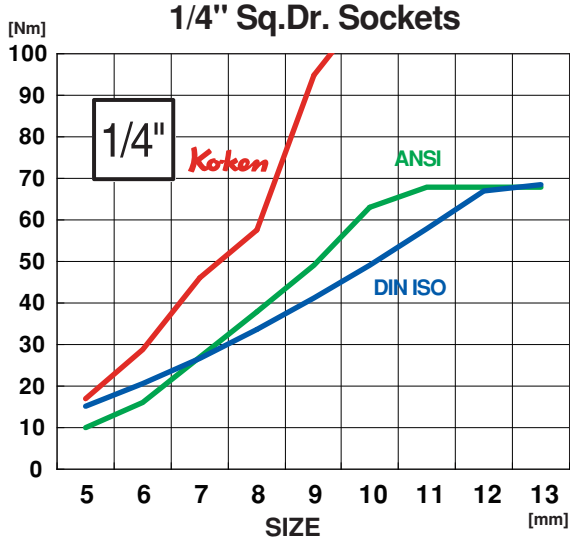
# Conversion Table: American Inches-Decimal Inches-Millimeter

| in | dec.in. | 0" | 1" | 2" | 3" | 4" | 5" | 6" | 7" | 8" | 9" | 10" | 11" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Millimeter(mm) | | | | | | | | | | | |
| | 0 | 0 | 25.4000 | 50.8000 | 76.2000 | 101.6000 | 127.0000 | 152.4000 | 177.8000 | 203.2000 | 228.6000 | 254.0000 | 279.4000 |
| 1/64 | 0.01563 | 0.3969 | 25.7969 | 51.1969 | 76.5969 | 101.9969 | 127.3969 | 152.7969 | 178.1969 | 203.5969 | 228.9969 | 254.3969 | 279.7969 |
| 1/32 | 0.03125 | 0.7938 | 26.1938 | 51.5938 | 76.9938 | 102.3938 | 127.7938 | 153.1938 | 178.5938 | 203.9938 | 229.3938 | 254.7938 | 280.1938 |
| 3/64 | 0.04688 | 1.1906 | 26.5906 | 51.9906 | 77.3906 | 102.7906 | 128.1906 | 153.5906 | 178.9906 | 204.3906 | 229.7906 | 255.1906 | 280.5906 |
| 1/16 | 0.06250 | 1.5875 | 26.9875 | 52.3875 | 77.7875 | 103.1875 | 128.5875 | 153.9875 | 179.3875 | 204.7875 | 230.1875 | 255.5875 | 280.9875 |
| 5/64 | 0.07813 | 1.9844 | 27.3844 | 52.7844 | 78.1844 | 103.5844 | 128.9844 | 154.3844 | 179.7844 | 205.1844 | 230.5844 | 255.9844 | 281.3844 |
| 3/32 | 0.09375 | 2.3813 | 27.7813 | 53.1813 | 78.5813 | 103.9813 | 129.3813 | 154.7813 | 180.1813 | 205.5813 | 230.9813 | 256.3813 | 281.7813 |
| 7/64 | 0.10938 | 2.7781 | 28.1781 | 53.5781 | 78.9781 | 104.3781 | 129.7781 | 155.1781 | 180.5781 | 205.9781 | 231.3781 | 256.7781 | 282.1781 |
| 1/8 | 0.12500 | 3.1750 | 28.5750 | 53.9750 | 79.3750 | 104.7750 | 130.1750 | 155.5750 | 180.9750 | 206.3750 | 231.7750 | 257.1750 | 282.5750 |
| 9/64 | 0.14063 | 3.5719 | 28.9719 | 54.3719 | 79.7719 | 105.1719 | 130.5719 | 155.9719 | 181.3719 | 206.7719 | 232.1719 | 257.5719 | 282.9719 |
| 5/32 | 0.15625 | 3.9688 | 29.3688 | 54.7688 | 80.1688 | 105.5688 | 130.9688 | 156.3688 | 181.7688 | 207.1688 | 232.5688 | 257.9688 | 283.3688 |
| 11/64 | 0.17188 | 4.3656 | 29.7656 | 55.1656 | 80.5656 | 105.9656 | 131.3656 | 156.7656 | 182.1656 | 207.5656 | 232.9656 | 258.3656 | 283.7656 |
| 3/16 | 0.18750 | 4.7625 | 30.1625 | 55.5625 | 80.9625 | 106.3625 | 131.7625 | 157.1625 | 182.5625 | 207.9625 | 233.3625 | 258.7625 | 284.1625 |
| 13/64 | 0.20313 | 5.1594 | 30.5594 | 55.9594 | 81.3594 | 106.7594 | 132.1594 | 157.5594 | 182.9594 | 208.3594 | 233.7594 | 259.1594 | 284.5594 |
| 7/32 | 0.21875 | 5.5563 | 30.9563 | 56.3563 | 81.7563 | 107.1563 | 132.5563 | 157.9563 | 183.3563 | 208.7563 | 234.1563 | 259.5563 | 284.9563 |
| 15/64 | 0.23438 | 5.9531 | 31.3531 | 56.7531 | 82.1531 | 107.5531 | 132.9531 | 158.3531 | 183.7531 | 209.1531 | 234.5531 | 259.9531 | 285.3531 |
| 1/4 | 0.25000 | 6.3500 | 31.7500 | 57.1500 | 82.5500 | 107.9500 | 133.3500 | 158.7500 | 184.1500 | 209.5500 | 234.9500 | 260.3500 | 285.7500 |
| 17/64 | 0.26563 | 6.7469 | 32.1469 | 57.5469 | 82.9469 | 108.3469 | 133.7469 | 159.1469 | 184.5469 | 209.9469 | 235.3469 | 260.7469 | 286.1469 |
| 9/32 | 0.28125 | 7.1438 | 32.5438 | 57.9438 | 83.3438 | 108.7438 | 134.1438 | 159.5438 | 184.9438 | 210.3438 | 235.7438 | 261.1438 | 286.5438 |
| 19/64 | 0.29688 | 7.5406 | 32.9406 | 58.3406 | 83.7406 | 109.1406 | 134.5406 | 159.9406 | 185.3406 | 210.7406 | 236.1406 | 261.5406 | 286.9406 |
| 5/16 | 0.31250 | 7.9375 | 33.3375 | 58.7375 | 84.1375 | 109.5375 | 134.9375 | 160.3375 | 185.7375 | 211.1375 | 236.5375 | 261.9375 | 287.3375 |
| 21/64 | 0.32813 | 8.3344 | 33.7344 | 59.1344 | 84.5344 | 109.9344 | 135.3344 | 160.7344 | 186.1344 | 211.5344 | 236.9344 | 262.3344 | 287.7344 |
| 11/32 | 0.34375 | 8.7313 | 34.1313 | 59.5313 | 84.9313 | 110.3313 | 135.7313 | 161.1313 | 186.5313 | 211.9313 | 237.3313 | 262.7313 | 288.1313 |
| 23/64 | 0.35938 | 9.1281 | 34.5281 | 59.9281 | 85.3281 | 110.7281 | 136.1281 | 161.5281 | 186.9281 | 212.3281 | 237.7281 | 263.1281 | 288.5281 |
| 3/8 | 0.37500 | 9.5250 | 34.9250 | 60.3250 | 85.7250 | 111.1250 | 136.5250 | 161.9250 | 187.3250 | 212.7250 | 238.1250 | 263.5250 | 288.9250 |
| 25/64 | 0.39063 | 9.9219 | 35.3219 | 60.7219 | 86.1219 | 111.5219 | 136.9219 | 162.3219 | 187.7219 | 213.1219 | 238.5219 | 263.9219 | 289.3219 |
| 13/32 | 0.40625 | 10.3188 | 35.7188 | 61.1188 | 86.5188 | 111.9188 | 137.3188 | 162.7188 | 188.1188 | 213.5188 | 238.9188 | 264.3188 | 289.7188 |
| 27/64 | 0.42188 | 10.7156 | 36.1156 | 61.5156 | 86.9156 | 112.3156 | 137.7156 | 163.1156 | 188.5156 | 213.9156 | 239.3156 | 264.7156 | 290.1156 |
| 7/16 | 0.43750 | 11.1125 | 36.5125 | 61.9125 | 87.3125 | 112.7125 | 138.1125 | 163.5125 | 188.9125 | 214.3125 | 239.7125 | 265.1125 | 290.5125 |
| 29/64 | 0.45313 | 11.5094 | 36.9094 | 62.3094 | 87.7094 | 113.1094 | 138.5094 | 163.9094 | 189.3094 | 214.7094 | 240.1094 | 265.5094 | 290.9094 |
| 15/32 | 0.46875 | 11.9063 | 37.3063 | 62.7063 | 88.1063 | 113.5063 | 138.9063 | 164.3063 | 189.7063 | 215.1063 | 240.5063 | 265.9063 | 291.3063 |
| 31/64 | 0.48438 | 12.3031 | 37.7031 | 63.1031 | 88.5031 | 113.9031 | 139.3031 | 164.7031 | 190.1031 | 215.5031 | 240.9031 | 266.3031 | 291.7031 |
| 1/2 | 0.50000 | 12.7000 | 38.1000 | 63.5000 | 88.9000 | 114.3000 | 139.7000 | 165.1000 | 190.5000 | 215.9000 | 241.3000 | 266.7000 | 292.1000 |
| 33/64 | 0.51563 | 13.0969 | 38.4969 | 63.8969 | 89.2969 | 114.6969 | 140.0969 | 165.4969 | 190.8969 | 216.2969 | 241.6969 | 267.0969 | 292.4969 |
| 17/32 | 0.53125 | 13.4938 | 38.8938 | 64.2938 | 89.6938 | 115.0938 | 140.4938 | 165.8938 | 191.2938 | 216.6938 | 242.0938 | 267.4938 | 292.8938 |
| 35/64 | 0.54688 | 13.8906 | 39.2906 | 64.6906 | 90.0906 | 115.4906 | 140.8906 | 166.2906 | 191.6906 | 217.0906 | 242.4906 | 267.8906 | 293.2906 |
| 9/16 | 0.56250 | 14.2875 | 39.6875 | 65.0875 | 90.4875 | 115.8875 | 141.2875 | 166.6875 | 192.0875 | 217.4875 | 242.8875 | 268.2875 | 293.6875 |
| 37/64 | 0.57813 | 14.6844 | 40.0844 | 65.4844 | 90.8844 | 116.2844 | 141.6844 | 167.0844 | 192.4844 | 217.8844 | 243.2844 | 268.6844 | 294.0844 |
| 19/32 | 0.59375 | 15.0813 | 40.4813 | 65.8813 | 91.2813 | 116.6813 | 142.0813 | 167.4813 | 192.8813 | 218.2813 | 243.6813 | 269.0813 | 294.4813 |
| 39/64 | 0.60938 | 15.4781 | 40.8781 | 66.2781 | 91.6781 | 117.0781 | 142.4781 | 167.8781 | 193.2781 | 218.6781 | 244.0781 | 269.4781 | 294.8781 |
| 5/8 | 0.62500 | 15.8750 | 41.2750 | 66.6750 | 92.0750 | 117.4750 | 142.8750 | 168.2750 | 193.6750 | 219.0750 | 244.4750 | 269.8750 | 295.2750 |
| 41/64 | 0.64063 | 16.2719 | 41.6719 | 67.0719 | 92.4719 | 117.8719 | 143.2719 | 168.6719 | 194.0719 | 219.4719 | 244.8719 | 270.2719 | 295.6719 |
| 21/32 | 0.65625 | 16.6688 | 42.0688 | 67.4688 | 92.8688 | 118.2688 | 143.6688 | 169.0688 | 194.4688 | 219.8688 | 245.2688 | 270.6688 | 296.0688 |
| 43/64 | 0.67188 | 17.0656 | 42.4656 | 67.8656 | 93.2656 | 118.6656 | 144.0656 | 169.4656 | 194.8656 | 220.2656 | 245.6656 | 271.0656 | 296.4656 |
| 11/16 | 0.68750 | 17.4625 | 42.8625 | 68.2625 | 93.6625 | 119.0625 | 144.4625 | 169.8625 | 195.2625 | 220.6625 | 246.0625 | 271.4625 | 296.8625 |
| 45/64 | 0.70313 | 17.8594 | 43.2594 | 68.6594 | 94.0594 | 119.4594 | 144.8594 | 170.2594 | 195.6594 | 221.0594 | 246.4594 | 271.8594 | 297.2594 |
| 23/32 | 0.71875 | 18.2563 | 43.6563 | 69.0563 | 94.4563 | 119.8563 | 145.2563 | 170.6563 | 196.0563 | 221.4563 | 246.8563 | 272.2563 | 297.6563 |
| 47/64 | 0.73438 | 18.6531 | 44.0531 | 69.4531 | 94.8531 | 120.2531 | 145.6531 | 171.0531 | 196.4531 | 221.8531 | 247.2531 | 272.6531 | 298.0531 |
| 3/4 | 0.75000 | 19.0500 | 44.4500 | 69.8500 | 95.2500 | 120.6500 | 146.0500 | 171.4500 | 196.8500 | 222.2500 | 247.6500 | 273.0500 | 298.4500 |
| 49/64 | 0.76563 | 19.4469 | 44.8469 | 70.2469 | 95.6469 | 121.0469 | 146.4469 | 171.8469 | 197.2469 | 222.6469 | 248.0469 | 273.4469 | 298.8469 |
| 25/32 | 0.78125 | 19.8438 | 45.2438 | 70.6438 | 96.0438 | 121.4438 | 146.8438 | 172.2438 | 197.6438 | 223.0438 | 248.4438 | 273.8438 | 299.2438 |
| 51/64 | 0.79688 | 20.2406 | 45.6406 | 71.0406 | 96.4406 | 121.8406 | 147.2406 | 172.6406 | 198.0406 | 223.4406 | 248.8406 | 274.2406 | 299.6406 |
| 13/16 | 0.81250 | 20.6375 | 46.0375 | 71.4375 | 96.8375 | 122.2375 | 147.6375 | 173.0375 | 198.4375 | 223.8375 | 249.2375 | 274.6375 | 300.0375 |
| 53/64 | 0.82813 | 21.0344 | 46.4344 | 71.8344 | 97.2344 | 122.6344 | 148.0344 | 173.4344 | 198.8344 | 224.2344 | 249.6344 | 275.0344 | 300.4344 |
| 27/32 | 0.84375 | 21.4313 | 46.8313 | 72.2313 | 97.6313 | 123.0313 | 148.4313 | 173.8313 | 199.2313 | 224.6313 | 250.0313 | 275.4313 | 300.8313 |
| 55/64 | 0.85938 | 21.8281 | 47.2281 | 72.6281 | 98.0281 | 123.4281 | 148.8281 | 174.2281 | 199.6281 | 225.0281 | 250.4281 | 275.8281 | 301.2281 |
| 7/8 | 0.87500 | 22.2250 | 47.6250 | 73.0250 | 98.4250 | 123.8250 | 149.2250 | 174.6250 | 200.0250 | 225.4250 | 250.8250 | 276.2250 | 301.6250 |
| 57/64 | 0.89063 | 22.6219 | 48.0219 | 73.4219 | 98.8219 | 124.2219 | 149.6219 | 175.0219 | 200.4219 | 225.8219 | 251.2219 | 276.6219 | 302.0219 |
| 29/32 | 0.90625 | 23.0188 | 48.4188 | 73.8188 | 99.2188 | 124.6188 | 150.0188 | 175.4188 | 200.8188 | 226.2188 | 251.6188 | 277.0188 | 302.4188 |
| 59/64 | 0.92188 | 23.4156 | 48.8156 | 74.2156 | 99.6156 | 125.0156 | 150.4156 | 175.8156 | 201.2156 | 226.6156 | 252.0156 | 277.4156 | 302.8156 |
| 15/16 | 0.93750 | 23.8125 | 49.2125 | 74.6125 | 100.0125 | 125.4125 | 150.8125 | 176.2125 | 201.6125 | 227.0125 | 252.4125 | 277.8125 | 303.2125 |
| 61/64 | 0.95313 | 24.2094 | 49.6094 | 75.0094 | 100.4094 | 125.8094 | 151.2094 | 176.6094 | 202.0094 | 227.4094 | 252.8094 | 278.2094 | 303.6094 |
| 31/32 | 0.96875 | 24.6063 | 50.0063 | 75.4063 | 100.8063 | 126.2063 | 151.6063 | 177.0063 | 202.4063 | 227.8063 | 253.2063 | 278.6063 | 304.0063 |
| 63/64 | 0.98438 | 25.0031 | 50.4031 | 75.8031 | 101.2031 | 126.6031 | 152.0031 | 177.4031 | 202.8031 | 228.2031 | 253.6031 | 279.0031 | 304.4031 |

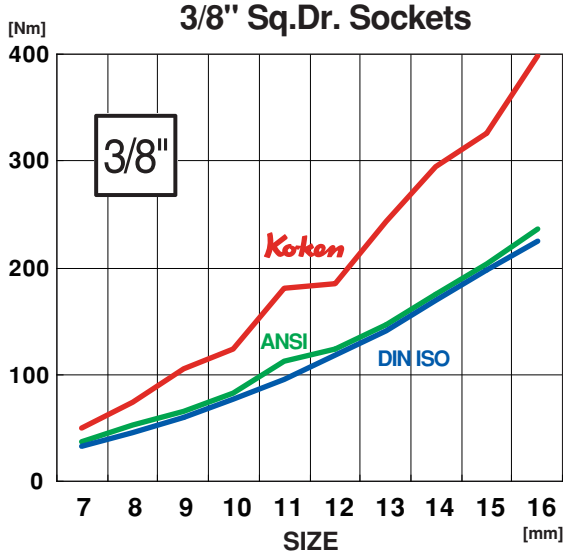
| in. | dec.in. | 12" | 13" | 14" | 15" | 16" | 17" | 18" | 19" | 20" | 21" | 22" | 23" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Millimeter(mm) | | | | | | | | | | | |
| | 0 | 304.8000 | 330.2000 | 355.6000 | 381.0000 | 406.4000 | 431.8000 | 457.2000 | 482.6000 | 508.0000 | 533.4000 | 558.8000 | 584.2000 |
| 1/32 | 0.03125 | 305.5938 | 330.9938 | 356.3938 | 381.7938 | 407.1938 | 432.5938 | 457.9938 | 483.3938 | 508.7938 | 534.1938 | 559.5938 | 584.9938 |
| 1/16 | 0.06250 | 306.3875 | 331.7875 | 357.1875 | 382.5875 | 407.9875 | 433.3875 | 458.7875 | 484.1875 | 509.5875 | 534.9875 | 560.3875 | 585.7875 |
| 3/32 | 0.09375 | 307.1813 | 332.5813 | 357.9813 | 383.3813 | 408.7813 | 434.1813 | 459.5813 | 484.9813 | 510.3813 | 535.7813 | 561.1813 | 586.5813 |
| 1/8 | 0.12500 | 307.9750 | 333.3750 | 358.7750 | 384.1750 | 409.5750 | 434.9750 | 460.3750 | 485.7750 | 511.1750 | 536.5750 | 561.9750 | 587.3750 |
| 5/32 | 0.15625 | 308.7688 | 334.1688 | 359.5688 | 384.9688 | 410.3688 | 435.7688 | 461.1688 | 486.5688 | 511.9688 | 537.3688 | 562.7688 | 588.1688 |
| 3/16 | 0.18750 | 309.5625 | 334.9625 | 360.3625 | 385.7625 | 411.1625 | 436.5625 | 461.9625 | 487.3625 | 512.7625 | 538.1625 | 563.5625 | 588.9625 |
| 7/32 | 0.21875 | 310.3563 | 335.7563 | 361.1563 | 386.5563 | 411.9563 | 437.3563 | 462.7563 | 488.1563 | 513.5563 | 538.9563 | 564.3563 | 589.7563 |
| 1/4 | 0.25000 | 311.1500 | 336.5500 | 361.9500 | 387.3500 | 412.7500 | 438.1500 | 463.5500 | 488.9500 | 514.3500 | 539.7500 | 565.1500 | 590.5500 |
| 9/32 | 0.28125 | 311.9438 | 337.3438 | 362.7438 | 388.1438 | 413.5438 | 438.9438 | 464.3438 | 489.7438 | 515.1438 | 540.5438 | 565.9438 | 591.3438 |
| 5/16 | 0.31250 | 312.7375 | 338.1375 | 363.5375 | 388.9375 | 414.3375 | 439.7375 | 465.1375 | 490.5375 | 515.9375 | 541.3375 | 566.7375 | 592.1375 |
| 11/32 | 0.34375 | 313.5313 | 338.9313 | 364.3313 | 389.7313 | 415.1313 | 440.5313 | 465.9313 | 491.3313 | 516.7313 | 542.1313 | 567.5313 | 592.9313 |
| 3/8 | 0.37500 | 314.3250 | 339.7250 | 365.1250 | 390.5250 | 415.9250 | 441.3250 | 466.7250 | 492.1250 | 517.5250 | 542.9250 | 568.3250 | 593.7250 |
| 13/32 | 0.40625 | 315.1188 | 340.5188 | 365.9188 | 391.3188 | 416.7188 | 442.1188 | 467.5188 | 492.9188 | 518.3188 | 543.7188 | 569.1188 | 594.5188 |
| 7/16 | 0.43750 | 315.9125 | 341.3125 | 366.7125 | 392.1125 | 417.5125 | 442.9125 | 468.3125 | 493.7125 | 519.1125 | 544.5125 | 569.9125 | 595.3125 |
| 15/32 | 0.46875 | 316.7063 | 342.1063 | 367.5063 | 392.9063 | 418.3063 | 443.7063 | 469.1063 | 494.5063 | 519.9063 | 545.3063 | 570.7063 | 596.1063 |
| 1/2 | 0.50000 | 317.5000 | 342.9000 | 368.3000 | 393.7000 | 419.1000 | 444.5000 | 469.9000 | 495.3000 | 520.7000 | 546.1000 | 571.5000 | 596.9000 |
| 17/32 | 0.53125 | 318.2938 | 343.6938 | 369.0938 | 394.4938 | 419.8938 | 445.2938 | 470.6938 | 496.0938 | 521.4938 | 546.8938 | 572.2938 | 597.6938 |
| 9/16 | 0.56250 | 319.0875 | 344.4875 | 369.8875 | 395.2875 | 420.6875 | 446.0875 | 471.4875 | 496.8875 | 522.2875 | 547.6875 | 573.0875 | 598.4875 |
| 19/32 | 0.59375 | 319.8813 | 345.2813 | 370.6813 | 396.0813 | 421.4813 | 446.8813 | 472.2813 | 497.6813 | 523.0813 | 548.4813 | 573.8813 | 599.2813 |
| 5/8 | 0.62500 | 320.6750 | 346.0750 | 371.4750 | 396.8750 | 422.2750 | 447.6750 | 473.0750 | 498.4750 | 523.8750 | 549.2750 | 574.6750 | 600.0750 |
| 21/32 | 0.65625 | 321.4688 | 346.8688 | 372.2688 | 397.6688 | 423.0688 | 448.4688 | 473.8688 | 499.2688 | 524.6688 | 550.0688 | 575.4688 | 600.8688 |
| 11/16 | 0.68750 | 322.2625 | 347.6625 | 373.0625 | 398.4625 | 423.8625 | 449.2625 | 474.6625 | 500.0625 | 525.4625 | 550.8625 | 576.2625 | 601.6625 |
| 23/32 | 0.71875 | 323.0563 | 348.4563 | 373.8563 | 399.2563 | 424.6563 | 450.0563 | 475.4563 | 500.8563 | 526.2563 | 551.6563 | 577.0563 | 602.4563 |
| 3/4 | 0.75000 | 323.8500 | 349.2500 | 374.6500 | 400.0500 | 425.4500 | 450.8500 | 476.2500 | 501.6500 | 527.0500 | 552.4500 | 577.8500 | 603.2500 |
| 25/32 | 0.78125 | 324.6438 | 350.0438 | 375.4438 | 400.8438 | 426.2438 | 451.6438 | 477.0438 | 502.4438 | 527.8438 | 553.2438 | 578.6438 | 604.0438 |
| 13/16 | 0.81250 | 325.4375 | 350.8375 | 376.2375 | 401.6375 | 427.0375 | 452.4375 | 477.8375 | 503.2375 | 528.6375 | 554.0375 | 579.4375 | 604.8375 |
| 27/32 | 0.84375 | 326.2313 | 351.6313 | 377.0313 | 402.4313 | 427.8313 | 453.2313 | 478.6313 | 504.0313 | 529.4313 | 554.8313 | 580.2313 | 605.6313 |
| 7/8 | 0.87500 | 327.0250 | 352.4250 | 377.8250 | 403.2250 | 428.6250 | 454.0250 | 479.4250 | 504.8250 | 530.2250 | 555.6250 | 581.0250 | 606.4250 |
| 29/32 | 0.90625 | 327.8188 | 353.2188 | 378.6188 | 404.0188 | 429.4188 | 454.8188 | 480.2188 | 505.6188 | 531.0188 | 556.4188 | 581.8188 | 607.2188 |
| 15/16 | 0.93750 | 328.6125 | 354.0125 | 379.4125 | 404.8125 | 430.2125 | 455.6125 | 481.0125 | 506.4125 | 531.8125 | 557.2125 | 582.6125 | 608.0125 |
| 31/32 | 0.96875 | 329.4063 | 354.8063 | 380.2063 | 405.6063 | 431.0063 | 456.4063 | 481.8063 | 507.2063 | 532.6063 | 558.0063 | 583.4063 | 608.8063 |

Koken WARRANTY TORQUES | DIN ISO STANDARDS | ANSI STANDARDS

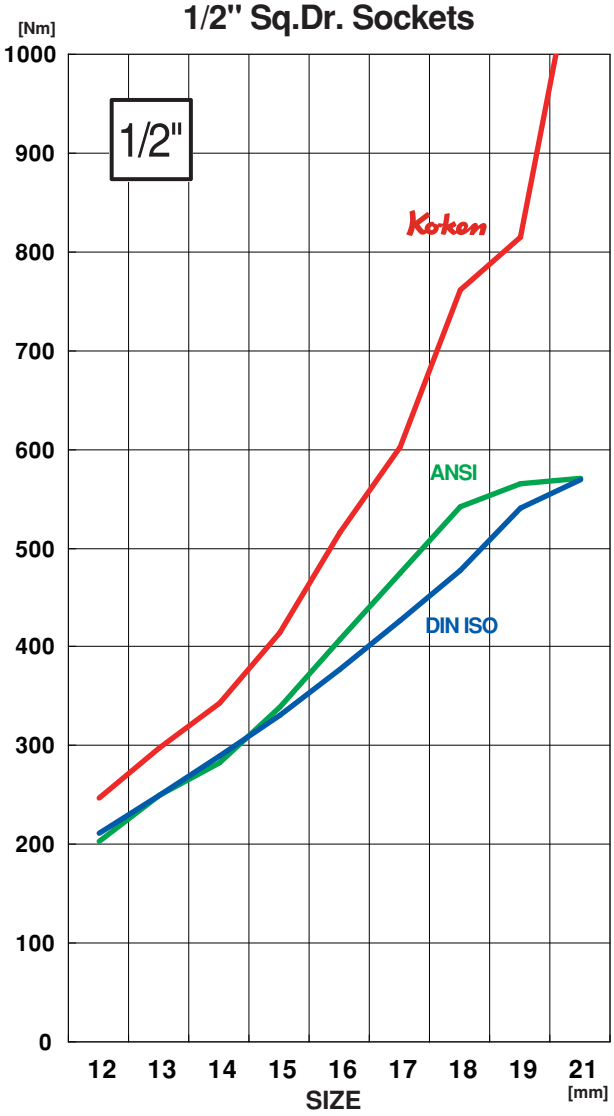
## 1/4" Sq.Dr. Sockets



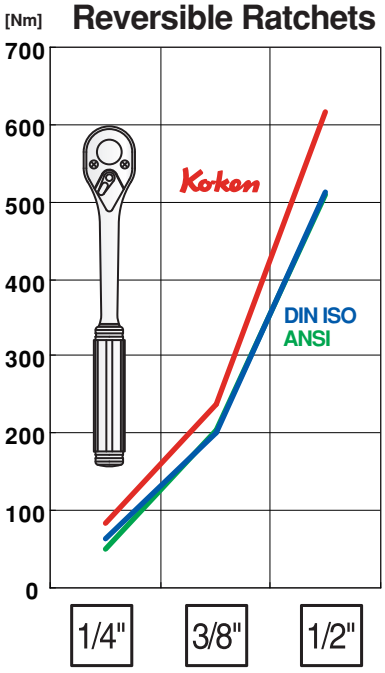

## 3/8" Sq.Dr. Sockets



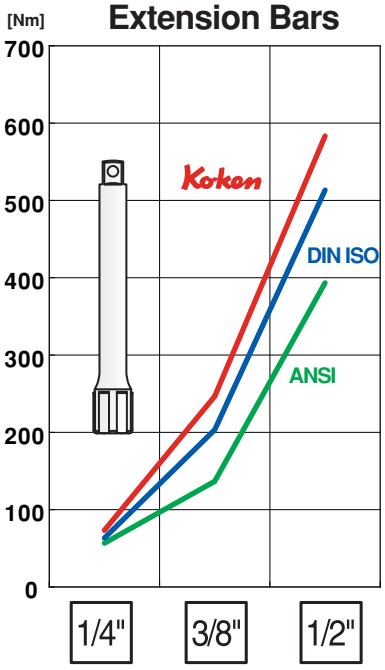

## 1/2" Sq.Dr. Sockets



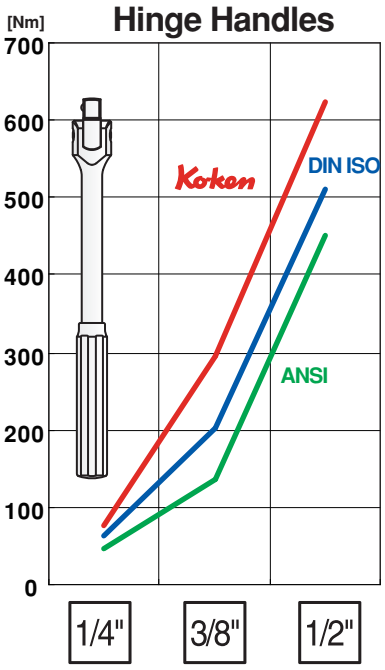

## Reversible Ratchets




## Extension Bars




## Hinge Handles



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